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United States Department of Agriculture,

FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR JULY, 1908.

This program of field work and assignments in the Forest Service is issued monthly, and is for the exclusive use of members of the Forest Service and cooperating bureaus. The names of members whose assignments are not yet fixed, and reference to projects for which plans have not been matured, are necessarily omitted.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate. Information concerning errors or omissions, and changes of project or of address for the following month, should be sent by members to the offices of their respective chiefs not later than the 20th of the month.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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E. E. CARTER, Assistant Forester.

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District 5—N. O. TORSTENSON and D. N. ROGERS.

District 6—A. L. STROUP.

Trespass—FRED LEES and G. W. HOLLAND.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

Forest assistants.

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J. F. PRESTON, Newport, Wash.

J. D. WARNER, Libby, Mont.

Lumbermen.

J. S. BAIRD, Cass Lake, Minn.
GEO. P. GREGG, Keystone, Wyo.
J. P. HUGHES, Northfork, Cal.

A. J. NORTON, Kalispell, Mont.
W. R. MCKINNON, Cass Lake, Minn.
S. M. CROSS, Fort Smith, Ark.

Reconnaissance, A. B. RECKNAGEL (in the Field).
LOUIS MARGOLIN, Acting.

PROJECTS.

Arizona—

Estimate and working plan for Black Mesa (N.), San Francisco Mountains, and Grand Canyon (S.) National Forests—FRANK VOGEL, Flagstaff; assistants, D. W. ADAMS, J. H. ALLISON, MAX ROTHKUGEL, and JOHN LAFON, Jr.

Idaho—

Working plan for Sawtooth (E.) National Forest—C. P. WILBER, Hailey.
Working plan for Bear River National Forest—G. P. BARD, Logan, Utah.

OFFICE OF COOPERATION.

A. K. CHITTENDEN, Chief.

W. G. WEIGLE, Assistant Chief (in the Field).

Federal Cooperation, A. K. CHITTENDEN.

Correspondence and legal investigations, HARRY IRION.

PROJECTS.

California—

Estimate for Hoopa Valley Indian Reservation, in cooperation with the Indian Service—I. F. ELDREDGE, D. C. A. GALARNEAU, W. T. ANDREWS, and N. B. ECKBO, all at Hoopa.

Examination of areas damaged by sulphur fumes—W. G. WEIGLE, Keswick.

Michigan and Wisconsin—

Timber work on Indian reservations—E. A. BRANIFF, Shawano, Wis.; assistants, J. A. HOWARTH, W. E. LA FOUNTAIN, MARK BURNS, W. S. UHLER, G. L. COTT, E. D. FLETCHER, and D. M. LANG.

New Mexico—

Supervision of cutting, Fort Wingate Military Reservation, in cooperation with the War Department—NELSON LE GRAND, Guam.

State and Private Cooperation,

K. W. WOODWARD (in the Field).
J. G. PETERS, Acting.

PROJECTS.

Alabama—

Timber-land examinations—Prof. R. S. MACKINTOSH, Auburn.

Illinois—

Study of forest conditions, in cooperation with State Laboratory of National History—WESLEY BRADFIELD, Vienna.

Kentucky—

Study of forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—J. S. HOLMES, BENTON MACKAYE, and A. E. OMAN, Pineville.

Maine—

Forest conditions—AUSTIN CARY, Brunswick.

Montana—

Study of forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD and W. B. PIPER, Bozeman; J. BENTLEY, Jr., and J. ST. J. BENEDICT, Ovando; P. T. HARRIS, Elliston; G. S. KEARNEY, Ashland; L. S. MURPHY, Thompson Falls.

New Hampshire—

Study of forest taxation, in cooperation with the New Hampshire Forestry Commission—J. H. FOSTER, Concord.

OFFICE OF SILVICS.

RAPHAEL ZON, Chief.

Field Studies, RAPHAEL ZON.

PROJECTS.

Colorado—

Study of insect-infested timber in Colorado National Forests, in cooperation with the Bureau of Entomology (Forest Insect Investigations, A. D. Hopkins, in charge)—W. D. EDMONSTON, Colorado Springs, Colo.

Eastern States—

Study of chestnut blight—E. R. HOPSON, Washington, D. C.

Middle West—

Study of windbreaks and their influences—C. G. BATES, in charge; C. R. TILLOTSON (in cooperation with the Nebraska Experiment Station), T. R. COOPER, A. G. HAMEL, W. W. MORRIS, G. R. MORRISON; Box 1157, Lincoln, Nebr.; F. J. PHILLIPS, Station A, Lincoln, Nebr.

Southwest—

Study of the reproduction of western yellow pine—S. T. DANA, Prescott, Ariz.

Study of root habits of seedlings—J. W. TOUMEY; assistant, J. D. COFFMAN, both at Flagstaff, Ariz.

General—

Study of methods of determining light requirements of trees—G. A. PEARSON, Washington, D. C.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

OFFICE OF EXTENSION.

SAMUEL N. SPRING, Chief (in the Field).

A. S. PECK, Acting Chief.

Planting, L. C. MILLER (in the Field).

J. F. KUMMEL, Acting.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

Examination and selection of areas for planting and sowing on the Cheyenne National Forest—L. CROWELL, Saratoga, Wyo.

Examination and selection of areas for planting and sowing on the Chelan National Forest—G. B. MACDONALD, Chelan, Wash.

Examination and selection of areas for planting and sowing on the Coronado National Forest—W. B. HADLEY, Benson, Ariz.

Examination and selection of areas for planting and sowing on the Jemez and Pecos National Forests—W. D. HAYES, East Las Vegas, N. Mex.

Reconnaissance, W. H. von BAYER (in the Field).

PROJECTS.

New York—

Study of private forest planting—C. A. KUPFER, Ithaca N. Y.

Kansas—

Study of private forest planting—W. M. MOORE, Hutchinson, Kans.

Cooperation, E. O. SIECKE, Acting.

Correspondence.—Advice on private forest planting—E. O. SIECKE.

BRANCH OF GRAZING.

A. F. POTTER, Assistant Forester, in Charge.

OFFICE OF CONTROL.

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Adjustment, E. N. KAVANAGH (in the Field).

Protection, W. S. PERRINE.

Permits, Miss ANNA P. KOSCHWITZ.

OFFICE OF DEVELOPMENT.

WILL C. BARNES, Acting Chief.

Fences, C. H. ADAMS (in the Field).

Forage, W. C. CLOS (in the Field).

Water, J. K. CAMPBELL.

PROJECTS.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Expert, both at Wallowa, Oreg.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Hugo, Colo.; IVAR TIESTROM, Scientific Assistant, Ephraim, Utah; N. L. T. NELSON, Agent, Hugo, Colo.

Extermination of prairie dogs—H. L. BENHAM, Forest Guard, in charge, Albuquerque, N. Mex.

BRANCH OF PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.

R. S. KELLOGG, Assistant Forester.

C. G. CRAWFORD, Specialist in Wood Preservation.

OFFICE OF WOOD UTILIZATION.

McGARVEY CLINE, Chief.

H. S. BETTS, Assistant Chief.

PROJECT.

Turpentining studies—P. D. EDMUNDS, Green Cove Springs, Fla.; J. O. LA FONTISSEE, Jacksonville, Fla.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER, Washington, D. C.

Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.

PROJECTS.

Study of commercial processes of wood distillation and the standardization and grading of turpentines—L. F. HAWLEY, in the Field; assistant, F. E. LICHTENTHAELER; Washington, D. C.

Experiments to determine the value of various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of chemical problems in wood utilization and wood preservatives—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

National Forest Studies.

Districts 1 and 6, J. B. KNAPP in charge.

Study of wood-using industries and markets for forest products—J. B. KNAPP, Seattle, Wash.

Washington—

Tests of western larch, treated Douglas fir, western hemlock, and National Forest woods, in cooperation with the Western Pine Manufacturers' Association, the Pacific Creosoting Company, the Pacific Coast Lumber Manufacturers' Association, and the University of Washington—O. P. M. GOSS, University Station, Seattle; assistant, P. S. BUHL.

Districts 2 and 3, C. L. HILL in charge.

Study of wood-using industries and markets for forest products—C. L. HILL, Boulder, Colo.; assistant, H. B. HOLROYD.

Colorado—

Establishment of timber-testing laboratory, in cooperation with the University of Colorado—C. L. HILL, Boulder.

Districts 4 and 5, L. E. HUNT in charge.

Study of wood-using industries and markets for forest products—L. E. HUNT, Berkeley, Cal.

California—

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Wood Uses, ROLF THELEN, Acting.

PROJECTS.

Connecticut—

Timber tests, with special reference to the influence of method of drying on the strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistant, CORNELIUS BARRY.

Indiana—

Tests of structural timbers and a number of species of hickory, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, and WM. D. DUDDING.

General Studies—

Washington office, timber tests—A. L. HEIM, T. W. VENEMANN, and H. E. MCKENZIE.

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, Chicago, Ill.

OFFICE OF WOOD PRESERVATION.

W. F. SHERFESEE, Chief.

PROJECT.

Compilation of data on wood preservation, M. C. JENSEN, Washington, D. C.

National Forest Timbers, WALTER R. WHEATON.

PROJECTS.

Colorado—

Construction of a wood-preserving plant for National Forest timbers—W. H. KEMFER, Norrie.

South Dakota—

Construction of a wood-preserving plant for National Forest timbers—GEORGE R. OGIER, Deadwood.

Farm Timbers, C. STOWELL SMITH.

PROJECTS.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—C. A. SCOTT, Ames.

Maryland—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State Agricultural Experiment Station—C. P. WILLIS, Washington, D. C.

New York—

Preservative treatment of greenhouse timbers, in cooperation with S. Jacobs & Sons—H. B. OAKLEAF, care Jacobs & Sons, Brooklyn.

Railroad and Mine Timbers, JOHN M. NELSON, Jr.

PROJECTS.

Alabama—

Construction and experimental operation of a commercial open-tank wood preserving plant, in cooperation with the Tennessee Coal, Iron, and Railroad Company—EDWARD H. FORD, Birmingham.

California—

Experiments in seasoning and treating telephone poles, in cooperation with electric companies in southern California—O. T. SWAN, Hotel Westmoore, Los Angeles.

Idaho—

Experimental treatment of mine timbers, in cooperation with the Bunker Hill and Sullivan Mining and Concentrating Company—H. A. PAUL, care S. A. Easton, Kellogg.

Experimental treatment of mine timbers, in cooperation with the Hercules Mining Company—PAUL M. PAYNE, Burke.

Indiana—

Designs for the construction of an open-tank plant for the treatment of electric railway ties, in cooperation with the Indianapolis, Columbus and Southern Traction Company—P. R. HICKS, Washington, D. C.

Louisiana—

Construction and operation of a plant for the treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—CHARLES T. BARNUM, Winnfield.

Pennsylvania—

Construction and experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant detailed by the company, L. W. CONRAD, Pottsville, Pa.

Construction and experimental operation of a commercial open-tank wood preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—JOHN M. NELSON, Jr., Washington, D. C.

Research, HOWARD F. WEISS.

General Studies—

Supervision of the construction of an experimental laboratory—C. P. WINSLOW, Washington, D. C.

Experiments to test the durability of treated and untreated woods—NATHAN W. COIL, Washington, D. C.

OFFICE OF PUBLICATION.

FINDLEY BURNS, Chief (in the Field).
BRISTOW ADAMS, Acting Chief.

Education, T. CLEVELAND, Jr.
Review, BRISTOW ADAMS.
Distribution, QUINCY R. CRAFT.

PUBLICATIONS IN JUNE.

Standard Plans for Rangers' Cabins, and Bills of Material.
The Use Book.
The Use Book, administrative edition.

BRANCH OF LANDS.

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A. C. RINGLAND, Assistant Forester.
A. C. SHAW, Principal Examiner.

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A. C. SHAW, Chief.

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Special Uses, C. H. SQUIRES, Acting.

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Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLB.
Photography, A. G. VARELA.

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Record, R. K. HELPHENSTINE, Jr.

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Property Audit, J. G. FALCK.

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COLORADO.

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Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment, Wyoming. (2)
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Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins.
Montezuma—RESS PHILLIPS, Acting Forest Supervisor, Mancos; C. M. GRANGER, Forest Assistant. (2)
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San Juan—ERNEST W. SHAW, Forest Supervisor, Durango. (2)
Uncompahgre—H. K. PORTER, Forest Supervisor, Delta; H. L. SPENCER, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant. (2)
White River—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant. (2)

IDAHO.

- Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon, Mont.; R. J. MOORE, Deputy Forest Supervisor. (1)
Boise—E. GRANDJEAN, Forest Supervisor, Boise; O. M. BUTLER, Deputy Forest Supervisor; C. G. SMITH, Forest Assistant. (4)
Cache—J. F. SQUIRES, Acting Forest Supervisor, Logan, Utah. (4)

- Caribou**—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls. (4)
Challis—DAVID LAING, Acting Forest Supervisor, Challis. (4)
Clearwater—F. A. FENN, Forest Supervisor, Kooskia. (1)
Coeur d'Alene—R. H. RUTLEDGE, Forest Supervisor, Wallace; DORR SKEELS, Forest Assistant. (1)
Idaho—HENRY A. BERGH, Acting Forest Supervisor, Meadows. (4)
Kaniksu—R. L. FROMME, Forest Supervisor, Newport, Wash. (1)
Lemhi—C. L. SMITH, Acting Forest Supervisor, Mackay. (4)
Minidoka—W.M. MCCOY, Acting Forest Supervisor, Oakley. (4)
Nezperce—GEO. V. RING, Acting Forest Supervisor, Grangeville. (1)
Payette—GUY B. MAINS, Forest Supervisor, Emmett. (4)
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Pocatello—P. T. WRENSTED, Forest Supervisor, Pocatello; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant. (4)
Salmon—GEO. G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor. (4)
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor. (4)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor. (4)
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser. (4)

KANSAS.

- Kansas**—B. R. H. d'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant. (2)

MINNESOTA.

- Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake. (2)

MONTANA.

- Absaroka**—V. GIFFORD LANTRY, Acting Forest Supervisor, Livingston. (1)
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge. (1)
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor. (1)
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula. (1)
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell; W. H. DAUGS, Deputy Forest Supervisor. (1)
Cabinet—ROY HEADLEY, Forest Supervisor, Thompson Falls. (1)
Custer—H. D. COOK, Acting Forest Supervisor, Ashland. (1)
Deerlodge—P. S. LOVEJOY, Acting Forest Supervisor, Anaconda. (1)
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell. (1)
Gallatin—H. A. CLEAVELAND, Acting Forest Supervisor, Bozeman. (1)
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena. (1)
Jefferson—R. W. STUART, Forest Supervisor, Great Falls. (1)
Kootenai—C. E. SCHOOONOVER, Acting Forest Supervisor, Libby. (1)
Lewis & Clark—E. A. SHERMAN, Acting Forest Supervisor, Chouteau. (1)
Lolo—ELERS KOCH, Forest Supervisor, Missoula; M. N. STICKNEY, Forest Assistant. (1)
Madison—J. B. SEELY, Forest Supervisor, Sheridan. (1)
Missoula—D. G. KINNEY, Forest Supervisor, Missoula. (1)
Sioux—C. A. BALLINGER, Acting Forest Supervisor, Camp Crook, S. Dak. (1)

NEBRASKA.

- Nebraska**—W. H. MAST, Acting Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTEL, Forest Assistants. (2)

NEVADA.

- Humboldt**—C. SYDNEY TREMEWAN, Acting Forest Supervisor, Elko. (4)
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas. (4)
Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin. (4)

NEW MEXICO.

- Alamo**—ARTHUR M. NEAL, Acting Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant. (3)
- Carson**—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant. (3)
- Datil**—JOHN KERR, Forest Supervisor, Magdalena. (3)
- Gila**—W. H. GODDARD, Acting Forest Supervisor, Silver City; DOUGLAS RODMAN, Forest Assistant; Fort Bayard Planting Station—W. B. HADLEY, Forest Assistant; H. C. TURNER and A. HEDRICKS, Forest Planting Assistants. (3)
- Jemez**—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant. (3)
- Lincoln**—J. H. KINNEY, Forest Supervisor, Capitan. (3)
- Magdalena**—JOHN KERR, Forest Supervisor, Magdalena. (3)
- Manzano**—A. D. READ, Acting Forest Supervisor, Albuquerque. (3)
- Pecos**—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant, Las Vegas. (3)

OKLAHOMA.

- Wichita**—FRANK RUSH, Acting Forest Supervisor, Cache. (3)

OREGON.

- Cascade**—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor. (6)
- Crater**—C. J. BUCK, Acting Forest Supervisor, Medford; S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant. (6)
- Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville. (6)
- Fremont**—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor. (6)
- Malheur**—CY. J. BINGHAM, Acting Forest Supervisor, John Day. (6)
- Oregon**—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor. (6)
- Siskiyou**—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)
- Siuslaw**—A. E. COHOON, Forest Supervisor, Eugene. (6)
- Umatilla**—THOS. E. CHIDSEY, Forest Supervisor, Heppner. (6)
- Umpqua**—H. M. HALE, Acting Forest Supervisor, Roseburg. (6)
- Wallowa**—HOWARD K. O'BRIEN, Forest Supervisor, Wallowa; HARVEY W. HARRIS, Deputy Forest Supervisor. (6)
- Wenaha**—J. M. SCHMITZ, Forest Supervisor, Walla Walla, Wash. (6)
- Whitman**—HENRY IRELAND, Forest Supervisor, Sumpter. (6)

SOUTH DAKOTA.

- Black Hills**—E. M. HAMILTON, Forest Supervisor, Deadwood; A. E. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., Forest Assistant. (2)
- Sioux**—C. A. BALLINGER, Acting Forest Supervisor, Camp Crook. (1)

UTAH.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal. (4)
- Cache**—J. F. SQUIRES, Acting Forest Supervisor, Logan. (4)
- Dixie**—C. I. HUDDLE, Acting Forest Supervisor, St. George. (4)
- Fillmore**—LEHI PETERSON, Jr., Acting Forest Supervisor, Beaver. (4)
- Fishlake**—N. E. SNELL, Forest Supervisor, Salina. (4)
- La Salle**—JOHN RIIS, Acting Forest Supervisor, Moab. (4)
- Manti**—PARLEY CHRISTIANSON, Acting Forest Supervisor, Ephraim. (4)
- Minidoka**—WM. MCCOY, Acting Forest Supervisor, Oakley, Idaho. (4)
- Nebo**—DAN S. PACK, Forest Supervisor, Payson. (4)
- Pocatello**—P. T. WRENSTED, Forest Supervisor, Pocatello, Idaho; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant, Pocatello. (4)
- Powell**—GEO. H. BARNEY, Forest Supervisor, Escalante. (4)

- Sevier**—FRANK W. SEAMAN, Acting Forest Supervisor, Panguitch. (4)
Uinta—W. I. PACK, Forest Supervisor, Provo; D. S. MARSHALL, Deputy Forest Supervisor. (4)
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City; Wasatch Planting Station—N. J. FETHEROLF, Forest Planting Assistant, Silver Lake. (4)

WASHINGTON.

- Chelan**—DELMER S. RICE, Acting Forest Supervisor, Chelan. (6)
Columbia—THOS. P. MACKENZIE, Acting Forest Supervisor, Portland, Oreg. (6)
Colville—W. W. CRYDER, Forest Supervisor, Republic. (6)
Kaniksu—R. L. FROMME, Forest Supervisor, Newport. (1)
Olympic—FRED HANSON, Forest Supervisor, Hoodsport. (6)
Rainier—G. F. ALLEN, Forest Supervisor, Orting; C. H. PARK, Deputy Forest Supervisor; F. B. KELLOGG, Forest Assistant. (6)
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle. (6)
Washington—C. H. FLORY, Forest Supervisor, Bellingham. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla. (6)
Wenatchee—A. H. SYLVESTER, Acting Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor. (6)

WYOMING.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal, Utah. (4)
Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn. (1)
Bonneville, ZEPH JONES, Forest Supervisor, Pinedale. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls, Idaho. (4)
Cheyenne—J. W. NELSON, Forest Supervisor, Saratoga; R. A. STRETCH and JOHN H. BRIDGES, Forest Assistants. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment. (2)
Shoshone—H. W. THURSTON, Forest Supervisor, Cody; C. N. WHITNEY, Forest Assistant. (1)
Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance. (2)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony, Idaho; FOSTER STEELE, Deputy Forest Supervisor. (4)
Teton—R. E. MILLER, Forest Supervisor, Jackson. (4)
Wyoming—JOHN RAPHAEL, Acting Forest Supervisor, Afton. (4)

SERVICE CHANGES IN JUNE.

APPOINTED.

Products—

WOOD UTILIZATION: THOMAS LYONS, Laboratory Assistant.

Silviculture—

SILVICS: A. G. HAMEL, Forest Assistant; F. J. PHILLIPS, Forest Assistant; J. D. COFFMAN, Forest Student; J. W. TOUMEY, Expert; GEORGE R. MORRISON, Forest Agent.

EXTENSION: H. P. BAKER, Forest Assistant; G. L. CLOTHIER, Forest Assistant.

Operation—

LANDS: H. H. CHAPMAN, Forest Assistant; BLEECKER WHEELER, Expert Miner; L. GRANT DUNCAN, Expert Miner; HARRY M. BOOTH, Expert Miner; M. R. TILLOTSON, Expert.

ORGANIZATION: CHESTER B. MORSE, Forest Agent.

RESTORED TO THE ROLLS WITH PAY.

Silviculture—

EXTENSION: E. O. SIECKE, Forest Assistant.

MANAGEMENT: A. B. PATTERSON, Forest Assistant; WALTER MULFORD, Expert.

Operation—

LANDS: F. G. MILLER, Forest Assistant.

FURLoughed.**Forester—**

INSPECTION: E. T. ALLEN, Chief Inspector.

Operation—

ORGANIZATION: K. R. MACGUFFEY, Forest Assistant, Lolo National Forest.

Change in Designation.**Silviculture—**

MANAGEMENT: W. B. GREELEY, Chief of Management.

Resigned.**Products—**

WOOD UTILIZATION: G. A. BURRELL, Expert; A. L. DEAN, Collaborator; W. C. GEER, Collaborator; C. E. MYERS, Laboratory Assistant.

Transferred.**Operation—**

ORGANIZATION: W. S. PERRINE, Deputy Supervisor, from Operation to Grazing; A. A. PARKER, Deputy Supervisor, from San Juan to Wenatchee; ROBT. V. R. REYNOLDS, Forest Assistant, from Boundaries to Organization; MAX ROTHKUGEL, Forest Agent, from Organization to Silviculture; M. N. STICKNEY, Forest Assistant, from Helena to Lolo; LAGE WERNSTEDT, Forest Assistant, from Boundaries to Organization; J. E. KEACH, Forest Assistant, from Organization to Boundaries; L. L. JANES, Forest Assistant, from Gila (S) to Sacramento; W. F. HILL, Deputy Supervisor, from Arkansas to Ozark; T. M. BANNON from Geological Survey to Lewis and Clark Forest; J. H. ALLISON, from Organization to Management.

With deep regret announcement is made of the death of Mr. James L. Seckner, Assistant Forest Ranger, Santa Rita National Forest, on May 28, 1908, and of Mr. Silas L. McKee, Deputy Forest Ranger, Cascade (Mazama) National Forest, on June 8, 1908.

SERVICE NOTES FOR JULY.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

BRANCH OF SILVICULTURE.

OFFICE OF MANAGEMENT.

Estimate Sheet—

Before forwarding Form 578b (January revision) to the Forester with the other papers in advertised Class B or Class C sales, supervisors should be very careful to have the space opposite "Total number feet B. M. per acre to be left" properly filled out. This is one of the most important points in any sale, for it is very difficult to determine whether or not a sale is advisable if it is not definitely known how much timber will be left on the area as the basis of an early second cut.

Advance Payments—

Cases in which purchasers of timber from the National Forests have not been required to pay for the timber in advance of cutting, in accordance with the terms of their contract, have in the past been too frequent. Supervisors should furnish to Forest officers in charge of timber sales copies of card Form 615 showing the total value of the timber sealed and the total payments made, and should instruct the officers to keep the record up to date by entering on this card the total of each report of cutting sent to the supervisor and, in the column provided, the remittances made by the purchaser. The supervisor should notify the Forest officer when each certificate of deposit is received showing that the purchaser has made a remittance, and should instruct the officer in charge that it is his duty to keep check on the purchaser and see that he does not get in arrears in payments.

Scale Book and Form 820—

The instructions contained in the Scale Book are not being followed as closely as they should be, and the supervisor should insist that each officer in charge of timber sales become familiar with them.

The spaces on Form 820 under the headings "Species," "Material," "Green or dead," "Reported to," "Number of pieces," "Quantity," "@," "Value," and "No. of last log scaled" should always be filled in. A separate entry should be used for each different class of material, and if the different classes exceed in number the spaces on the form more space should be secured by cutting the heading from another Form 820 and pasting the body to the bottom of the first. It is not necessary to use separate entries for different species, or for green and dead timber, if the stumpage value of the material cut is the same.

Many reports on Form 820 are received which evidently have not been checked by the supervisor, who should, in every case, check such reports before forwarding them to the Forester. A supervisor should never approve a report until he has carefully checked all entries, since by his approval he assumes responsibility for their correctness.

Signature to Form 861—

In Classes A and B sales the original and duplicate letters of transmittal, Form 861, should be signed by the officer approving the sale—in Class A sales by the officer in charge of the sale, and in Class B sales by the supervisor—in order that there may be no doubt in the Washington office as to his identity. In Class B sales the supervisor should prepare the original Form 861 and return it with the approved application to the applicant, at the same time sending the duplicate to the Forester. In Class C sales, also, Form 861 should be prepared and signed by the supervisor.

OFFICE OF EXTENSION.

Form 977—

Reports on Seed Crop of Forest Trees should be submitted promptly, in order that the data may be available for preparation of plans for collection. The reports should reach the forester before July 20.

BRANCH OF GRAZING.

Field Glasses—

An order has been placed with the manufacturers for 100 pairs of Jena auto-change binocular field glasses and 100 Bausch & Lomb monocular field glasses, to be delivered about July 31.

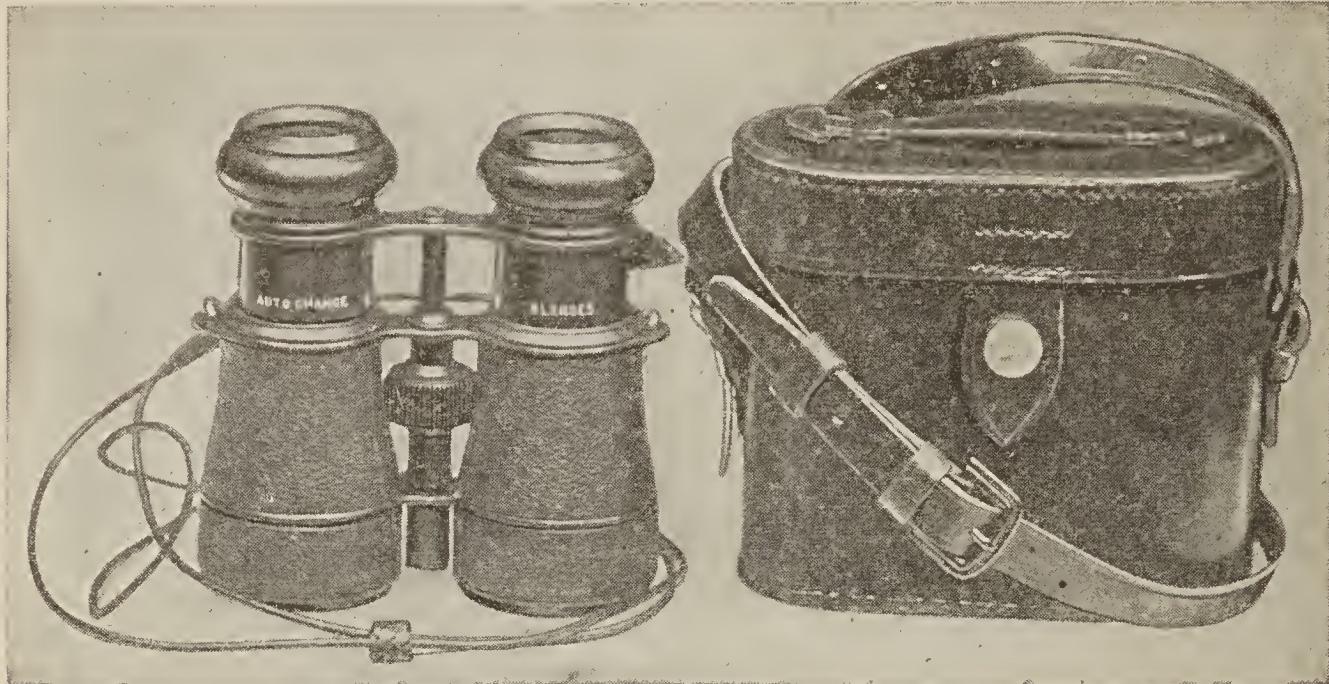


FIG. 1.—The Jena auto-change binocular field glass, with carrying case.

ered about July 31. It is desired to distribute these field glasses among the Forest officers and have them thoroughly tested in the field before any further purchases are made. These glasses will be of the greatest use to rangers in detecting the presence of live stock and determining the location of fires. They will be distributed upon recommendation of the supervisors, by an allotment which will be made on August 15, and therefore separate requisitions for each glass should be made to the Forester at once. The Forest officers to whom the field glasses are allotted will be held responsible for their proper care and will be expected to make a report not later than December 31, 1908, on the results obtained, in order that the Forester may have the benefit of their experience in deciding upon future purchases.

Figures 1 and 2 will assist the rangers in determining which glass they prefer.

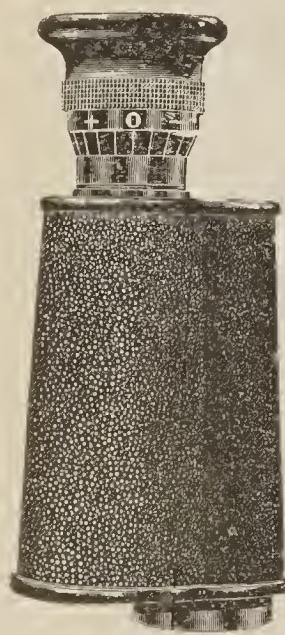


FIG. 2.—The Bauseh & Lomb monocular field glass. A sewed leather carrying case with shoulder strap is provided with this glass also.

the Forester, because hereafter a report will be made by the supervisor at the end of each fiscal year showing the number of crossing permits issued and the number of stock which has been allowed to cross the Forest.

Crossing Permits—

A new blank, Form 874-17, uniform in size with the other blanks carried in the Rangers' Note Book, has been adopted for use in the issuance of crossing permits. A limited supply has already been sent out, and such additional supply as is needed for each Forest should be ordered at once.

In accordance with the new regulations, crossing permits will be issued in triplicate, one copy delivered to the applicant, one copy retained by the Forest officer issuing it, and one copy sent to the supervisor. It will not be necessary to send a copy to

Transfer of Grazing Fees—

The instructions published in the March Field Program in reference to the transfer of grazing fees have been modified to provide for the transfer of money from the credit of one permittee to that of another whenever the circumstances would otherwise entitle the former to a refund. A written order signed by the person who made the original payment will be required in all cases.

BRANCH OF LANDS.**OFFICE OF LAW.****New Legislation—**

Legislation enacted during the first session of the Sixtieth Congress which affects the National Forests is printed in the Use Book, issued July 1.

Legal Proceedings Recommended—

Alexander Archipelago National Forest—I. A. Slane, special use trespass (occupancy).

Black Hills National Forest—M. R. & N. W. Ry. Co., fire trespass.

Washington (Chelan) National Forest—Harry Loughname, timber trespass.

Reported to Have Been Arrested—

Pecos National Forest—A. Rainy and Clarence Knott, fire trespass (criminal).

OFFICE OF OCCUPANCY.**Special Uses—**

New Form of Permit.—Form 832 "Special Use Agreement" has been revised under the title "Special Use Permit," and Forms 946a and 946b have been superseded by Form 946, which is to be used in transmitting special-use permits to the permittees. A supply of the new forms has been sent to each supervisor for use beginning July 1. The revised Form 832 is a permit outright, not an agreement, and will not be signed by the permittee, but only by the officer issuing the permit. All old Forms 832 and all Forms 946a and 946b are obsolete and should be destroyed immediately. Particular attention is called to "Procedure in Special-use Permits," The Use Book, p. 56 (Edition of July 1, 1908).

Follow-up Cards for Special Uses.—The follow-up card system prescribed by the first paragraph on page 198 of The Use Book, under the title "Follow-up System," will of course be used by Forest officers, in special-use permits, to follow up requirements of beginning and completing construction within the time limits fixed. This should be done not only in new transactions when the permits are issued, but in all special-use permits where such requirements exist. It is suggested that the follow-up reminder cards be set for dates shortly in advance of the expiration of time limits fixed in the permits.

Claims—Relinquishments—

Whenever a supervisor transmits to the Forester a relinquishment, or copy of a relinquishment of a homestead or other entry, he should in every case send with it a report giving a description of the land and an estimate of the amount of timber on the claim relinquished.

Boundaries—Administrative Sites—Names for Sites—

Since Administrative Sites are filed by names, it is important that field officers report the names of all sites which are at present known to this office by numbers only.

In doing so the utmost care should be exercised properly to identify each site by giving not only the number under which it was withdrawn, but also a description of the tract withdrawn.

Boundaries—

On May 23 the President approved an act defining the boundaries of the Minnesota National Forest. These boundaries include, as additions, ten sections around Cass Lake, the islands in Cass Lake, and Pine and Sugar points, with the uncut merchantable timber on them. The total area of these additions is approximately 14,769 acres. Provision is made for payment to the Indians of such amounts as may be found due them for lands included in the Forest and for the timber left standing. The percentage of seed trees reserved is increased from 5 per cent to 10 per cent. The Forest is further consolidated as a result of the provision for the relinquishment to the Forest Service of Indian allotments. The act further provides that the graves of the Indians within the Forest are not to be disturbed, and permits further use of the lands for this purpose.

A proclamation was signed by the President on June 18, to take effect at once, eliminating 2,559 acres from the Gila (N) National Forest, and adding 28,180 acres to the Gila (S) National Forest. On the same date a proclamation was signed which changed the name of the Gila (N) National Forest to the Datil National Forest, and consolidated the Gila (S) and the Big Burros National Forests into the Gila National Forest. The area of the Gila National Forest is now 1,589,841 acres and the area of the Datil National Forest 1,270,500 acres.

Executive orders changing the boundaries and names of several National Forests were signed June 18, to take effect July 1, 1908. The new names are: Fillmore, Nebo, Columbia, Rainier, Chelan, Snoqualmie, Wenatchee, Washington. The Fillmore National Forest will be composed of the present Beaver and Fillmore (S) National Forests; the Nebo will contain the Fillmore (N), the Vernon, and the Payson National Forests; the Chelan, Snoqualmie, Wenatchee, and Washington National Forests will include the area formerly in the Washington, with the exception of the small portion which went into the Rainier.

BRANCH OF OPERATION.

OFFICE OF ACCOUNTS.

Appropriation for Permanent Improvements—

The new appropriation for permanent improvement work can be used only in the construction and maintenance of roads, cabins, etc. It is held that rangers and guards may be paid from this appropriation, but only for such time as they are engaged on improvement work. Supervisors who use ranger labor on improvement work should indicate on Form 143 the dates when the rangers are so employed, and should charge the amount on the new Form 99, in the improvement-fund column, entering it in the journal of expenses against the authorization for improvements and not against the salary allotment.

The total amount so charged should always be shown on the lower part of the new Form 99, in order that the salary allotment of the Forest may be given proper credit in the Office of Accounts.

By using ranger labor in this way and making proper record of it on Forms 143 and 99 it will be possible for supervisors to retain on duty a large part of their force that would otherwise have to be furloughed during the winter months.

This method of handling the improvement appropriation will necessitate a change in the manner of making entries in the new project ledger. Corrected instructions for these entries have been prepared and will be sent to each supervisor as soon as received from the printer. These should then be pasted in the project ledger over the instructions already there.

The appropriation act for improvement work is so worded that it will be impossible to pay for the cost of any boundary surveys from this appropriation. Supervisors must therefore pay for such work, if approved, from the allotments covered by their regular letters of authorization. Where such surveys are necessary the approval of the Forester should be obtained before work is begun.

OFFICE OF MAINTENANCE

Applications for Films—

Members of the Service, in requesting films, should indicate the exact make of camera for which they are desired. The Section of Photography is very often at a loss to tell what size of films to send in filling requisitions, when this information is not given, and considerable delay is caused by unnecessary correspondence.

A list of the cameras and kodaks carried in stock is given below, together with the kind and size of films which should be ordered for each:

- No. 5 Cartridge Kodak, 7" x 5" requires No. 5 C. K. films.
 - No. 4 Cartridge Kodak, 5" x 4" requires No. 4 C. K. films.
 - No. 4 Folding Pocket Kodak, 4" x 5" requires No. 4 S. F. films.
 - No. 4 A Folding Kodak, 4 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " requires No. 4 A. films.
 - Century Camera, with roll, 4" x 5" requires 5" R. H. films.
 - Century Camera, with rool holder, 5" x 7" requires 7" R. H. films.
 - No. 4 Folding Hawkeye, 4" x 5" requires No. 4 B. E. films.
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OFFICE OF ORGANIZATION.

Apparatus to Conserve Amount of Snow—

In accordance with the following letter from Mr. Willis L. Moore, Chief United States Weather Bureau, the Forester will be glad to receive suggestions from Forest officers with regard to devising some form of apparatus which will automatically conserve the amount of snow which falls and provide for its water equivalent.

MAY 18, 1908.

Hon. GIFFORD PINCHOT,
Forester, Forest Service, Washington, D. C.

DEAR SIR: In view of the obvious difficulties of securing records of the snowfall in the remote regions of the mountains, where direct observations can not be made after each storm, it is very important to devise some form of apparatus which will automatically conserve the amount of snow which has fallen and provide for its water equivalent.

Many efforts have already been made by meteorologists to devise such an apparatus, but it is felt that suggestions as to the best form to be adopted are still very desirable.

Will you call the attention of your officers in the field to this problem, especially those who are familiar with the practical difficulties in the mountains, and request them to furnish through you to the Weather Bureau such plans or methods of observations and record as seem to them to be of value.

The ordinary straight tube with a receiver is defective because the wind carries the snow past the orifice without recording the same amount of snow that would fall vertically in the calm air; all forms of obstructions set up local currents which also defeat the purpose. When snow is collected and remains for some weeks without measurement, an uncertain amount is lost through evaporation. If sleety snow blows upon an open mouth receptacle, it is soon clogged up, and may remain unserviceable for a considerable time. These and other difficulties ought to be carefully considered by those who make suggestions, but it is very desirable that the best form of apparatus should be secured within the next few months.

Very respectfully,

WILLIS L. MOORE,
Chief, U. S. Weather Bureau.

Follow-up System—

The follow-up system prescribed in Service Order 14 has been incorporated into the new Use Book. Its effectiveness depends upon the promptness of supervisors in returning the cards with promised date of action and their punctuality in getting the reports to Washington by the time promised. When a card is not returned by the supervisor within reasonable time, a second card stamped "Second notice, promise" will be sent out. After the promise is made, in case the report does not reach the Forester by the time set, a duplicate of the card on file will be sent to the supervisor, stamped "Second notice, report." In either case the same stamp, followed by the date on which the second notice is sent out, will be placed upon the slip or card on file in the office.

Forest Clerks—

Supervisors who employ male clerks should, during slack times in their offices, have the clerks visit the ranger headquarters for the purpose of assisting the rangers with their records and files. This is not intended to do away with the requirement that the supervisors call in the rangers at convenient times for purposes of instruction in office methods.

Padlock Keys—

It has been found that the practice of issuing four keys with each Forest Service padlock has caused an accumulation of keys in the supervisors' offices. This practice will be discontinued, and in the future only one key will be issued with each padlock unless a greater number are called for in the requisition.

Administration Expenses—

The attention of supervisors is called to the following: Charges made for plowing, hauling, sowing, purchase of seeds of all kinds for rangers headquarters, and all other items of like character should be charged to "administration expenses" and not to "headquarters."

Time of Forest Officers—

The time of Forest officers entering on duty does not begin until they report in person to the supervisor or reach their headquarters or other places designated by the supervisor. This also applies to furloughed rangers reentering on duty. Supervisors should certify to accounts only in accordance with these instructions.

BRANCH OF PRODUCTS.**OFFICE OF WOOD UTILIZATION.****Field Organization—**

The Office of Wood Utilization has established field headquarters from which will be supervised utilization work which has a bearing upon the administration of the National Forests. Timber-testing laboratories are now located at Seattle and Berkeley, in cooperation with the universities of Washington and California. A laboratory is being established at Boulder, in cooperation with the University of Colorado. Although the men in charge are stationed at Seattle, Berkeley, and Boulder, they will frequently be at inspection headquarters at Portland, San Francisco, and Denver, and will keep in close touch with inspectors and supervisors.

Three related lines of work will be handled: First, a study of market prices of forest products; second, a study of wood-using industries; and third, tests to ascertain the physical and mechanical properties of timber. The general purpose of these studies is to further the policy of the Service in promoting the most economic and effective utilization of forest products. Both the Forest Service and the lumber trade are greatly in need of authoritative statements of the actual selling prices of the principal kinds of lumber as distinguished from list prices and quotations which are now published by associations and trade journals. Such prices will be secured for the principal markets of the various Districts.

The wood-using industries will be studied for the purpose of ascertaining more definitely the kinds and forms of timber which they require, in order that, in conjunction with the timber tests, opportunity may be afforded for developing new and more important uses for National Forest woods. One of the first problems to be taken up at the Boulder laboratory will be to determine the strength of sound dead timber, which is found in large quantities in Colorado.

A careful study of market conditions in the Central-Western territory, where the western woods come in competition with those of the South and the Lake States, has also been instituted. Monthly reports of selling prices from leading wholesale lumbermen in Chicago, Minneapolis, Omaha, Kansas City, St. Louis, and Memphis are secured. These and similar reports from eastern markets and those adjacent to the National Forests, will be compiled in the Washington office and copies forwarded to all Forest officers. All Wood Utilization men and Forest officers are expected to cooperate in this work to the fullest extent.

OFFICE OF PUBLICATION.**The New Use Book--**

The new Use Book, issued July 1, is in two editions: One, the administrative edition, for the use of Forest officers, and the other, the title of which will be simply The Use Book, for the users of the Forests and the general public.

The Field Program--

Hereafter the Field Program, beginning with this issue, will be paged consecutively throughout the fiscal year.

An index of the Service Notes and Service Orders which have appeared in the Field Program during the fiscal year ending June 30, 1908, is now in preparation and as soon as it is issued will be sent to those whose names are on the Field Program mailing list.

SERVICE ORDERS.

SERVICE ORDER 18.

JUNE 26, 1908.

Compilation of Material for National Conservation Commission.

Mr. Cox and Mr. Kellogg have been selected to act for the Forest Service in the compilation of material for the use of the National Conservation Commission. To get this work done promptly and effectively, active cooperation throughout is essential. All members of the Service concerned will please give Mr. Cox and Mr. Kellogg all necessary assistance both in the compilation of data already on hand and of data needed and not on file. The Service has no more urgent and important task before it than the gathering of this material. Until it is completed it must take precedence of all other activities except the transaction of current National Forest business.

GIFFORD PINCHOT,
Forester.

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ANNUAL

Issued August 1, 1908

United States Department of Agriculture,
FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR AUGUST, 1908.

This program of field work and assignments in the Forest Service is issued monthly, and is for the exclusive use of members of the Forest Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate. Information concerning errors or omissions and changes of project or of address for the following month should be sent by members to the offices of their respective chiefs not later than the 20th of the month.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

EUGENE S. BRUCE, Expert Lumberman.

Compilation of data for National Conservation Commission—W. T. COX and R. S. KELLOGG, Assistant Foresters.

INSPECTION.

FORESTER AND ASSOCIATE FORESTER.

Inspection District 1.—Montana, Northern Idaho, Northern Wyoming, and Northwestern South Dakota.

E. A. SHERMAN, Chief Inspector, Missoula, Mont.

Inspectors: P. G. REDINGTON, F. A. SILCOX, and R. Y. STUART, all at Missoula, Mont.

Inspection District 2.—Colorado, Southern Wyoming, South Dakota, Nebraska, Kansas, and Southeastern Utah.

SMITH RILEY, Chief Inspector, Denver, Colo.

Inspectors: R. P. IMES, S. L. MOORE, F. W. MORRELL, and T. D. WOODBURY, all at Denver, Colo.

Inspection District 3.—Arizona, Arkansas, New Mexico, and Oklahoma.

D. D. BRONSON, Chief Inspector, Albuquerque, N. Mex.

Inspectors: T. S. WOOLSEY, Jr., W. R. MATTOON, and A. O. WAHA, all at Albuquerque, N. Mex.

Inspection District 4.—Utah, Southern Idaho, Western Wyoming, Eastern Nevada, and Northern Arizona.

F. W. REED, Acting Chief Inspector, Salt Lake City, Utah.

Inspectors: J. M. FETHEROLF and L. L. WHITE, both at Salt Lake City, Utah.

Inspection District 5.—California and Western Nevada.

F. E. OLMS TED, Chief Inspector, San Francisco, Cal.

Inspectors: COERT DU BOIS, J. H. HATTON, WM. C. HODGE, Jr., and G. W. PEAVY, all at San Francisco, Cal.

Inspection District 6.—Washington, Oregon, and Alaska.

E. T. ALLEN, Chief Inspector, Portland, Oreg.

Inspectors: W. H. B. KENT and M. L. ERICKSON, both at Portland, Oreg; F. E. AMES, Washington, D. C.

E. M. GRIFFITH, *Special Inspector*, for Indian Reservations in Wisconsin, Madison, Wis.

BRANCH OF SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

OFFICE OF FOREST MANAGEMENT.

E. H. CLAPP, Chief.

W. B. GREELEY, Chief.

Timber Sales, G. M. HOMANS.

D. T. MASON.

TIMBER SALE CORRESPONDENCE.

District 1—R. H. RUTLEDGE and M. N. STICKNEY.

District 2—A. L. STRROUP and O. C. SNOW.

District 3—R. J. SELKIRK and T. T. SWIFT.

District 4—W. I. PACK and A. H. HOGUE.

District 5—C. S. JUDD and C. E. RATCHFORD.

District 6—S. C. BARTRUM.

Trespass—FRED LEES and G. W. HOLLAND.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

Forest assistants.

C. E. DUNSTON, Pocatello, Idaho.

J. F. PRESTON, Great Falls, Mont.

| J. D. WARNER, Libby, Mont.

| R. W. ALLEN, Encampment, Wyo.

Lumbermen.

J. S. BAIRD, Cass Lake, Minn.
 GEO. P. GREGG, Provo, Utah.
 J. P. HUGHES, Northfork, Cal.

A. J. NORTON, Kalispell, Mont.
 W. R. MCKINNON, Cass Lake, Minn.
 S. M. CROSS, Ashland, Mont.

Reconnaissance, A. B. RECKNAGEL (in the Field).
 LOUIS MARGOLIN, Acting.

PROJECTS.

Arizona—

Estimate and working plan for Coconino National Forest—J. H. ALLISON, Flagstaff; assistants, D. W. ADAMS, MAX ROTHKUGEL, JOHN LAFON, Jr., H. G. CALKINS, J. A. FITZWATER, and H. HAEFNER.

Colorado—

Working plan for Pike, Leadville, and Holy Cross National Forests—FRANK VOGEL, Denver.

Study of marking on National Forest timber sales—WALTER MULFORD, Denver.

Idaho—

Working plan for Sawtooth National Forest—C. P. WILBER, Hailey.

Utah—

Working plan for Cache National Forest—G. P. BARD, Logan, Utah.

OFFICE OF COOPERATION.

A. K. CHITTENDEN, Chief (in the Field).
 W. G. WEIGLE, Assistant Chief (in the Field).
 J. G. PETERS, Acting Chief.

Federal Cooperation, A. K. CHITTENDEN.

Correspondence and legal investigations, HARRY IRION.

PROJECTS.

California—

Estimate for Hoopa Valley Indian Reservation, in cooperation with the Indian Service—I. F. ELDREDGE, D. C. A. GALARNEAU, W. T. ANDREWS, and N. B. ECKBO, all at Eureka.

Michigan and Wisconsin—

Timber work on Indian reservations—E. A. BRANIFF, Shawano, Wis.; assistants, J. A. HOWARTH, W. E. LA FOUNTAIN, MARK BURNS, W. S. UHLER, G. L. COTT, E. D. FLETCHER, and D. M. LANG.

New Mexico—

Supervision of cutting, Fort Wingate Military Reservation, in cooperation with the War Department—NELSON LE GRAND, Guam.

State and Private Cooperation,

K. W. WOODWARD (in the Field).

PROJECTS.

Alabama—

Timberland examinations—Prof. R. S. MACKINTOSH, Auburn.

Illinois—

Study of forest conditions, in cooperation with State Laboratory of National History—WESLEY BRADFIELD, Vandalia.

Kentucky—

Study of forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—J. S. HOLMES, E. D. CLARK, R. C. HALL, W. B. WILLETT, and G. T. BACKUS, London.

Maine—

Forest conditions—**AUSTIN CARY**, Brunswick.

Montana—

Study of forest lands, in cooperation with the Northern Pacific Railway Company—**K. W. WOODWARD**, Missoula; **W. B. PIPER** and **N. C. BROWN**, Bozeman; **J. BENTLEY, Jr.**, and **J. ST. J. BENEDICT**, Ovando; **P. T. HARRIS**, Livingston; **L. S. MURPHY** and **RUTLEDGE PARKER**, Thompson Falls.

Examination of areas damaged by sulphur fumes, **W. G. WEIGLE**, Anaconda.

New Hampshire—

Study of forest taxation, in cooperation with the New Hampshire Forestry Commission—**J. H. FOSTER**, Concord.

Preparation of a report on Chicago and Northwestern timberland—**A. B. PATTERSON**, Washington, D. C.

OFFICE OF SILVICS.

RAPHAEL ZON, Chief (in the Field).

A. T. BOISEN, Acting Chief.

Field Studies, **S. T. DANA** (in the field).

PROJECTS.**Colorado—**

Study of insect-infested timber in Colorado National Forests, in cooperation with the Bureau of Entomology (Forest Insect Investigations, **A. D. HOPKINS**, in charge)—**W. D. EDMONSTON**, Colorado Springs.

Study of Engelmann spruce—**E. R. HODSON**, Denver.

Establishment of permanent sample plots—**E. H. FROTHINGHAM**, Denver.

Study of the reproduction of lodgepole pine—**F. E. CLEMENTS**, Estes Park.

Middle West—

Study of windbreaks and their influences—**C. G. BATES**, in charge; **C. R. TILLOTSON** (in cooperation with the Nebraska Experiment Station), **T. R. COOPER**, **A. G. HAMEL**, **W. W. MORRIS**, **G. R. MORRISON**; Box 1157, Lincoln, Nebr.; **F. J. PHILLIPS**, Station A, Lincoln, Nebr.

Southwest—

Study of the reproduction of western yellow pine—**S. T. DANA** and **G. A. PEARSON**, Flagstaff, Ariz.

Study of root habits of seedlings—**J. W. TOUMEY**; assistant, **J. D. COFFMAN**, both at North Fork, Cal.

Library, Miss **H. E. STOCKBRIDGE**.

Compilation, **E. H. FROTHINGHAM**.

OFFICE OF EXTENSION.

SAMUEL N. SPRING, Chief (in the Field).

L. C. MILLER, Acting Chief.

Planting, **J. F. KUMMEL**, Acting.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

Preparation of plans for experimental growing of eucalypts in southern California—**E. C. CLIFFORD**, Los Angeles, Cal.

Examination and selection of areas for planting and sowing on the Sioux National Forest—**L. CROWELL**, Camp Crook, S. Dak.

Examination and selection of areas for planting and sowing on the Chelan National Forest—**G. B. MACDONALD**, Chelan, Wash.

Examination and selection of areas for planting and sowing on the Crook National Forest—**W. B. HADLEY**, Safford, Ariz.

Examination and selection of areas for planting and sowing on the Carson and Pecos National Forests—**W. D. HAYES**, Santa Fe, N. Mex.

Examination and selection of areas for planting and sowing on the Cochetopa National Forest—R. G. PIERCE, Saguache, Colo.

Reconnaissance, W. H. von BAYER (in the Field).

PROJECTS.

New York—

Study of private forest planting—C. A. KUPFER, Ithaca.

Kansas—

Study of private forest planting—W. M. MOORE, Hutchinson.

Cooperation, A. S. PECK.

Correspondence.—Advice on private forest planting—E. O. SIECKE.

PROJECTS.

New England—

Study of plantations established as the result of advice given by the Forest Service—R. L. ROGERS, New Haven, Conn.

Kansas—

Study of plantations established as the result of advice given by the Forest Service—A. E. OMAN, Hutchinson.

BRANCH OF GRAZING.

A. F. POTTER, Assistant Forester (in the Field).
L. F. KNEIPP, in Charge.

OFFICE OF CONTROL.

L. F. KNEIPP, Chief.

Allotment, WILL C. BARNES.
Adjustment, E. N. KAVANAGH (in the Field).
Protection, W. S. PERRINE.
Permits, Miss ANNA P. KOSCHWITZ.

OFFICE OF DEVELOPMENT.

WILL C. BARNES, Acting Chief.

Fences; C. H. ADAMS (in the Field).
Forage, W. C. CLOS (in the Field).
Water, J. K. CAMPBELL (in the Field).

PROJECTS.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; Identification of grasses and plants—DR. EDWARD L. GREENE, Consulting Expert, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Expert, both at Wallowa, Oreg.; F. H. KOSCHWITZ, Agent, Manti, Utah.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Hugo, Colo.; IVAR TIDESTROM, Scientific Assistant, Ephraim, Utah; N. L. T. NELSON, Agent, Hugo, Colo.

Extermination of prairie dogs—H. L. BENHAM, Forest Guard, in charge, Albuquerque, N. Mex.

BRANCH OF PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.
R. S. KELLOGG, Assistant Forester.
C. G. CRAWFORD, Specialist in Wood Preservation.

OFFICE OF WOOD UTILIZATION.

McGARVEY CLINE, Chief.
H. S. BETTS, Assistant Chief.

PROJECTS.

Turpentining studies—

Chipping experiments—P. D. EDMUNDS, Green Cove Springs, Fla.
 Statistics on production—J. O. LA FONTISEE, Jacksonville, Fla.; assistants, J. P. MOODY and G. H. JONES.
 Damage due to different methods of orcharding—A. L. BROWER, Jacksonville, Fla.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, Washington, D. C.
 Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.

PROJECTS.

Study of commercial processes of wood distillation and the standardization and grading of turpentines—L. F. HAWLEY, in the Field; assistant, F. E. LICHTENTHALER, Boston, Mass.

Experiments to determine the value of various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of chemical problems in wood utilization and wood preservatives—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

National Forest Studies.

Districts 1 and 6, J. B. KNAPP in charge.

Study of wood-using industries and markets for forest products—J. B. KNAPP, Seattle, Wash.; assistant, F. I. ROCKWELL.

Washington—

Tests of western larch, treated Douglas fir, western hemlock, and National Forest woods, in cooperation with the Western Pine Manufacturers' Association, the Pacific Creosoting Company, the Pacific Coast Lumber Manufacturers' Association, and the University of Washington—O. P. M. GOSS, University Station, Seattle; assistant, P. S. BUHL.

Districts 2 and 3, C. L. HILL in charge.

Study of wood-using industries and markets for forest products—C. L. HILL, Boulder, Colo.; assistant, H. B. HOLROYD.

Colorado—

Establishment of timber-testing laboratory, in cooperation with the University of Colorado—A. L. HEIM, Boulder.

Districts 4 and 5, L. E. HUNT in charge.

Study of wood-using industries and markets for forest products—L. E. HUNT, Berkeley, Cal.; assistant, J. V. WULFF.

California—

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Wood Uses, ROLF THELEN, Acting.

PROJECTS.

Connecticut—

Timber tests, with special reference to the influence of method of drying on the strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Indiana—

Tests of structural timbers and a number of species of hickory, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WM. D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, Chicago, Ill.

Timber-test files—T. W. VENEMANN, Washington, D. C.

OFFICE OF WOOD PRESERVATION.

W. F. SHERFESEE, Chief (in the Field).
H. F. WEISS, Acting Chief.

PROJECT.

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

National Forest Timbers, WALTER R. WHEATON.**PROJECTS.****Colorado—**

Experimental operation of a wood-preserving plant for National Forest timbers—W. H. KEMPFER, Norrie.

South Dakota—

Experimental operation of a wood-preserving plant for National Forest timbers—GEORGE R. OGIER, Deadwood.

Farm Timbers, C. STOWELL SMITH.**PROJECTS.****District of Columbia—**

Preservative treatment of greenhouse timbers, in cooperation with the Bureau of Plant Industry—HOWARD B. OAKLEAF, Washington, D. C.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—C. A. SCOTT, Ames.

Maryland—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State Agricultural Experiment Station—C. P. WILLIS, Washington, D. C. (until August 14).

South Carolina—

Preservative treatment of fence posts and other farm timbers, in cooperation with the South Carolina Agricultural Experiment Station—C. P. WILLIS, Clemson (after August 15).

Railroad and Mine Timbers, JOHN M. NELSON, Jr.**PROJECTS.****Alabama—**

Construction and experimental operation of a commercial open-tank wood preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

California—

Experiments in seasoning and treating telephone poles, in cooperation with electric companies in southern California—O. T. SWAN, Hotel Westmoore, Los Angeles.

Idaho—

Experimental treatment of mine timbers, in cooperation with the Bunker Hill and Sullivan Mining and Concentrating Company—H. A. PAUL, care S. A. Easton, Kellogg.

Experimental treatment of mine timbers, in cooperation with the Hercules Mining Company—PAUL M. PAYNE, Burke.

Indiana—

Designs for the construction of an open-tank plant for the treatment of electric railway ties, in cooperation with the Indianapolis, Columbus and Southern Traction Company—P. R. HICKS, Washington, D. C.

Louisiana—

Construction and operation of a plant for the treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—CHARLES T. BARNUM, Winnfield.

Pennsylvania—

Construction and experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant detailed by the company, L. W. CONRAD, Pottsville, Pa.

Construction and experimental operation of a commercial open-tank wood-preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—JOHN M. NELSON, Jr. Washington, D. C.

Research, HOWARD F. WEISS.

PROJECT.**General Studies—**

Supervision of the construction of an experimental laboratory—C. P. WINSLOW Washington, D. C.

OFFICE OF PUBLICATION.

FINDLEY BURNS, Chief (in the Field).
BRISTOW ADAMS, Acting Chief.

Review, BRISTOW ADAMS.
Distribution, QUINCY R. CRAFT.
Education,

BRANCH OF LANDS.

P. P. WELLS, In Charge.
A. C. RINGLAND, Assistant Forester.
A. C. SHAW, Principal Examiner.

OFFICE OF LAW.

A. C. SHAW, Chief.

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H. O. STABLER, Assistant Chief.

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Settlement, C. E. GAGE.
Special Uses, C. H. SQUIRES.

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F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.
Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLE.
Photography, A. G. VARELA

BRANCH OF OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.
CHAS. S. CHAPMAN, Assistant Forester.
GEO. G. ANDERSON, Assistant in Office Methods.

OFFICE OF ACCOUNTS.

H. B. CRAMER, Fiscal Agent and Chief.
E. A. MELZAR, Assistant Chief.

Audit, GEORGE E. KING.
Bookkeeping, O. H. TIBBOTT.

Receipt, Miss MARY R. LATIMER.
Appointment, Miss F. D. STRAUSE.

OFFICE OF MAINTENANCE.

R. K. HELPHENSTINE, Jr., Chief.

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Record, R. K. HELPHENSTINE, Jr.

Supplies, FELIX T. MOORE.
Property Audit, J. G. FALCK.

Supply Depot, Ogden, Utah, A. M. SMITH.

OFFICE OF ENGINEERING.

W. E. HERRING, Chief.
F. C. WALES, Assistant Chief.

Field Headquarters, Ogden, Utah.

R. E. MESNARD, Acting Chief.

OFFICE OF ORGANIZATION.

CLYDE LEAVITT, Chief.
GEO. H. CECIL, Assistant Chief.

A. C. McCAIN, Forest Supervisor, District 1.
 ORRIN C. SNOW, Forest Supervisor, District 2.
 EUGENE WILLIAMS, Forest Supervisor, District 3.
 DAN. S. PACK, Forest Supervisor, District 4.
 E. H. CLARK, Forest Supervisor, District 5.
 W. W. CRYDER, Forest Supervisor, District 6.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant. (6)
Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant. (6)

ARIZONA.

Apache—DRAYTON C. MARTIN, Forest Supervisor, Springerville. (3)
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant. (3)
Coconino—F. C. W. POOLER, Forest Supervisor, Flagstaff; W. H. KOBBÉ and W. M. DRAKE, Forest Assistants. (3)
Coronado—M. W. HOCKADAY, Acting Forest Supervisor, Benson. (3)
Crook—GEO. H. BIRDNO, Acting Forest Supervisor, Safford. (3)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George, Utah. (4)
Garces—ROScoe G. WILLSON, Forest Supervisor, Nogales. (3)
Kaibab—J. H. CLARK, Acting Forest Supervisor, Kanab, Utah; DANIEL K. JUDD, Deputy Forest Supervisor. (4)
Prescott—C. H. HINDERER, Forest Supervisor, Prescott. (3)
Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake. (3)
Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor. (3)

ARKANSAS.

- Arkansas**—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant. (3)
Ozark—DAVID E. FITTON, Forest Supervisor, Fort Smith; W. F. HILL, Deputy Forest Supervisor. (3)

CALIFORNIA.

- Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles; Lytle Creek Planting Station, SEROPE Y. PARNAY and H. C. MUZZALLI, Forest Planting Assistants, San Bernardino. (5)
California—ERNEST BRITTEN, Forest Supervisor, Willows. (5)
Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor. (5)
Inyo—RAYMOND TYLER, Acting Forest Supervisor, Bishop. (5)
Klamath—R. L. P. BIGELOW, Forest Supervisor, Yreka; F. W. HARLEY, Deputy Forest Supervisor; R. G. POND, Forest Assistant. (5)
Lassen—L. A. H. KLING, Acting Forest Supervisor, Red Bluff; J. C. LAPLANT, Deputy Supervisor. (5)
Modoc—V. L. BONNER, Acting Forest Supervisor, Alturas. (5)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville, Nev. (5)
Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas. (5)
Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Supervisor; J. R. HALL, Forest Assistant. (5)
San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo. (5)
Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor. (5)
Sequoia—W. C. BURTON, Acting Forest Supervisor, Hot Springs; W. M. MAULE, Forest Assistant. (5)
Shasta—W. B. RIDER, Forest Supervisor, Sisson; R. F. HAMMATT, Deputy Forest Supervisor. (5)
Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant. (5)
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Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor. (5)

COLORADO.

- Arapaho**—C. J. STAHL, Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor. (2)
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor. (2)
Cochetopa—J. M. CUENIN, Acting Forest Supervisor, Saguache. (2)
Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment, Wyoming. (2)
Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; SWIFT BERRY and JAY HIGGINS, Forest Assistants. (2)
La Salle—JOHN RIIS, Acting Forest Supervisor, Moab, Utah. (2)
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta. (2)
Leadville—J. F. BRUINS, Acting Forest Supervisor, Leadville; JAMES E. MARTIN, Forest Assistant. (2)
Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins; C. M. GRANGER, Deputy Forest Supervisor. (2)
Montezuma—RESS PHILLIPS, Acting Forest Supervisor, Mancos. (2)
Pike—C. W. FITZGERALD, Acting Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument. (2)
Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant. (2)
Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs. (2)

- San Isabel**—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe. (2)
San Juan—ERNEST W. SHAW, Forest Supervisor, Durango; PETER KEPPLINGER, Forest Assistant. (2)
Uncompahgre—H. K. PORTER, Forest Supervisor, Delta; H. L. SPENCER, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant. (2)
White River—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant. (2)

IDAHO.

- Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon, Mont.; R. J. MOORE, Deputy Forest Supervisor. (1)
Boise—E. GRANDJEAN, Forest Supervisor, Boise; O. M. BUTLER, Deputy Forest Supervisor; JNO. A. FERGUSON, Forest Assistant. (4)
Cache—W. W. CLARK, Forest Supervisor, Logan, Utah; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls. (4)
Challis—DAVID LAING, Acting Forest Supervisor, Challis. (4)
Clearwater—F. A. FENN, Forest Supervisor, Kooskia. (1)
Coeur d'Alene—DORR SKEELS, Acting Forest Supervisor, Wallace. (1)
Idaho—HENRY A. BERGH, Acting Forest Supervisor, Meadows. (4)
Kaniksu—R. L. FROMME, Forest Supervisor, Newport, Wash.; W. N. MILLAR, Forest Assistant. (1)
Lemhi—C. L. SMITH, Forest Supervisor, Mackay. (4)
Minidoka—WM. MCCOY, Forest Supervisor, Oakley. (4)
Nezperce—GEO. V. RING, Acting Forest Supervisor, Grangeville. (1)
Payette—GUY B. MAINS, Forest Supervisor, Emmett. (4)
Pend d'Oreille—J. E. BARTON, Acting Forest Supervisor, Sandpoint. (1)
Pocatello—C. G. SMITH, Acting Forest Supervisor, Pocatello; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant. (4)
Salmon—GEO. G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor. (4)
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHEETERS, Deputy Forest Supervisor. (4)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor. (4)
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser; WALTER A. HOPSON, Forest Assistant. (4)

KANSAS.

- Kansas**—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant. (2)

MINNESOTA.

- Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake. (2)

MONTANA.

- Absaroka**—V. GIFFORD LANTRY, Acting Forest Supervisor, Livingston. (1)
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge. (1)
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor. (1)
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula. (1)
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell. (1)
Cabinet—ROY HEADLEY, Forest Supervisor, Thompson Falls. (1)
Custer—H. D. COOK, Acting Forest Supervisor, Ashland. (1)
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; P. S. LOVEJOY, Deputy Forest Supervisor. (1)
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell. (1)
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman. (1)
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena. (1)
Jefferson—R. W. STUART, Forest Supervisor, Great Falls. (1)
Kootenai—C. E. SCHOOONOVER, Acting Forest Supervisor, Libby. (1)
Lewis & Clark—W. H. DAUGS, Acting Forest Supervisor, Chouteau. (1)
Lolo—ELERS KOCH, Forest Supervisor, Missoula. (1)
Madison—J. B. SEELY, Forest Supervisor, Sheridan. (1)

Missoula—D. G. KINNEY, Forest Supervisor, Missoula; HERBERT GRAFF, Forest Assistant. (1)

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (1)

NEBRASKA.

Nebraska—W. H. MAST, Acting Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants. (2)

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko. (4)

Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas. (4)

Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin. (4)

NEW MEXICO.

Alamo—ARTHUR M. NEAL, Acting Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant. (3)

Carson—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant. (3)

Datil—JOHN KERR, Forest Supervisor, Magdalena. (3)

Gila—W. H. GODDARD, Forest Supervisor, Silver City; DOUGLAS RODMAN, Deputy Forest Supervisor; C. H. GOETZ, Forest Assistant; Fort Bayard Planting Station—W. B. HADLEY, Forest Assistant; H. C. TURNER and A. HEDRICKS, Forest Planting Assistants. (3)

Jemez—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant. (3)

Lincoln—J. H. KINNEY, Forest Supervisor, Capitan. (3)

Magdalena—JOHN KERR, Forest Supervisor, Magdalena. (3)

Manzano—A. D. READ, Acting Forest Supervisor, Albuquerque. (3)

Pecos—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant, Las Vegas. (3)

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache. (3)

OREGON.

Cascade—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant. (6)

Crater—C. J. BUCK, Acting Forest Supervisor, Medford; S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant. (6)

Deschutes—A. S. IRELAND, Forest Supervisor, Prineville. (6)

Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor. (6)

Malheur—CY. J. BINGHAM, Acting Forest Supervisor, John Day. (6)

Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor. (6)

Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)

Siuslaw—A. E. COHOON, Forest Supervisor, Eugene. (6)

Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner. (6)

Umpqua—H. M. HALE, Acting Forest Supervisor, Roseburg. (6)

Wallowa—HOWARD K. O'BRIEN, Forest Supervisor, Wallowa; HARVEY W. HARRIS, Deputy Forest Supervisor. (6)

Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla, Wash. (6)

Whitman—HENRY IRELAND, Forest Supervisor, Sumpter. (6)

SOUTH DAKOTA.

Black Hills—E. M. HAMILTON, Forest Supervisor, Deadwood; A. E. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants. (2)

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook. (1)

UTAH.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal. (4)
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George. (4)
Fillmore—LEHI PETERSON, Jr., Acting Forest Supervisor, Beaver. (4)
Fishlake—N. F. SNELL, Forest Supervisor, Salina. (4)
La Salle—JOHN RUS, Acting Forest Supervisor, Moab. (4)
Manti—A. W. JENSEN, Forest Supervisor, Ephraim. (4)
Minidoka—WM. MCCOY, Forest Supervisor, Oakley, Idaho. (4)
Nebo—WALTER F. BROUGH, Acting Forest Supervisor, Payson. (4)
Pocatello—C. G. SMITH, Acting Forest Supervisor, Pocatello, Idaho; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant, Pocatello. (4)
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante. (4)
Sevier—T. C. HOYT, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor. (4)
Uinta—R. V. R. REYNOLDS, Acting Forest Supervisor, Provo; D. S. MARSHALL, Deputy Forest Supervisor; CHAS. A. LEWIS, Forest Assistant. (4)
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City; Wasatch Planting Station—N. J. FETHEROLF, Forest Planting Assistant, Silver Lake. (4)

WASHINGTON.

- Chelan**—GEORGE W. MILHAM, Forest Supervisor, Chelan. (6)
Columbia—THOS. P. MACKENZIE, Acting Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant. (6)
Colville—C. C. REID, Acting Forest Supervisor, Republic. (6)
Kaniksu—R. L. FROMME, Forest Supervisor, Newport; W. N. MILLAR, Forest Assistant. (1)
Olympic—FRED HANSON, Forest Supervisor, Hoodspur. (6)
Rainier—G. F. ALLEN, Forest Supervisor, Orting; C. H. PARK, Deputy Forest Supervisor; F. B. KELLOGG, Forest Assistant. (6)
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant. (6)
Washington—C. H. FLORY, Forest Supervisor, Bellingham. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla. (6)
Wenatchee—A. H. SYLVESTER, Acting Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED. W. CLEATOR, Forest Assistant. (6)

WYOMING.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal, Utah. (4)
Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; WM. C. LATANE, Forest Assistant. (1)
Bonneville—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls, Idaho. (4)
Cheyenne—J. W. NELSON, Forest Supervisor, Saratoga; R. A. STRETCH, JOHN H. BRIDGES, and ARTHUR M. COOK, Forest Assistants. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment. (2)
Shoshone—H. W. THURSTON, Forest Supervisor, Cody; C. N. WHITNEY, Forest Assistant. (1)
Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance. (2)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony, Idaho; FOSTER STEELE, Deputy Forest Supervisor. (4)
Teton—R. E. MILLER, Forest Supervisor, Jackson. (4)
Wyoming—JOHN RAPHAEL, Acting Forest Supervisor, Afton. (4)

SERVICE CHANGES IN JULY.

APPOINTED.

Products—

E. B. STARR, Forest Assistant.

WOOD UTILIZATION: H. E. MCKENZIE, Engineer in Timber Tests; GEO. R. GESERT, Engineer in Timber Tests; WARREN D. BRUSH, Expert; GORDON H. JONES, Agent; JOHN P. MOODY, Agent; JOHN O. LA FONTAINE, Expert; FRANK

Products—Continued.**WOOD UTILIZATION—Continued.**

L. ROCKWELL, Forest Assistant; ASA L. BROWER, Forest Assistant; VICTOR WULFF, Forest Assistant.

WOOD PRESERVATION: P. R. HICKS, Engineer in Wood Preservation; EDWARD H. FORD, Engineer in Wood Preservation; CHAS. A. SCOTT, Collaborator.

PUBLICATION: W. N. CLIFFORD, Collaborator.

Silviculture—

MANAGEMENT: RAYMOND W. ALLEN, Forest Assistant.

COOPERATION: JOHN LAFON, Lumberman; GEO. T. BACKUS, Forest Agent; HUGH G. CALKINS, Forest Assistant; HENRY E. HAEFNER, Forest Assistant; WILFORD B. WILLEY, Forest Assistant; JOHN BENTLEY, Jr., Forest Assistant; MAX ROTHKUGEL, Forest Assistant; CHAS. P. WILBER, Forest Assistant; R. CLIFFORD HALL, Forest Assistant; RUTLEDGE PARKER, Forest Assistant; NELSON C. BROWN, Forest Assistant; ERNEST D. CLARK, Forest Assistant; JOS. A. FITZWATER, Forest Assistant.

SILVICS: WM. W. MORRIS, Forest Agent; FRED. E. CLEMENTS, Special Agent; FORMAN T. MCLEAN, Forest Assistant; THEO. R. COOPER, Forest Assistant; THORNTON T. MUNGER, Forest Assistant; WILMER T. STONE, Forest Assistant.

EXTENSION: GILMOUR B. MACDONALD, Forest Assistant; WALTER M. MOORE, Forest Assistant; ROBERT L. ROGERS, Forest Assistant; ROY G. PIERCE, Forest Assistant.

Grazing—

DEVELOPMENT: N. L. T. NELSON, Forest Agent; F. H. KOSCHWITZ, Forest Agent; RAY F. TARBLE, Inspector of Grazing.

Lands—

LAW: THOMAS G. SHEARMAN, Expert.

OCCUPANCY: WM. WINTER, Forest Agent; O. C. MORTSEN, Forest Agent; W. R. DAVEY, Expert.

Operation—

ORGANIZATION: JULIAN E. ROTHERY, Forest Assistant; HERBERT R. GRAFF, Forest Assistant; ARTHUR R. WILCOX, Forest Assistant; CHESTER B. COX, Forest Assistant; FRANCIS KIEFER, Forest Assistant; WILLIS N. MILLAR, Forest Assistant; FRED W. CLEATOR, Forest Assistant; WM. G. HOWARD, Forest Assistant; WALTER A. HOPSON, Forest Assistant; JESSE R. HALL, Forest Assistant; ARTHUR M. COOK, Forest Assistant; JAY HIGGINS, Forest Assistant; FRANCIS M. PATTON, Forest Assistant; C. H. GOETZ, Forest Assistant; JNO. A. FERGUSON, Forest Assistant; A. A. SAUNDERS, Forest Assistant; PETER KEPLINGER, Forest Assistant; H. EARLE FRENCH, Forest Assistant; W. C. LATANE, Forest Assistant; JAMES E. MARTIN, Forest Assistant; R. E. CLARK, Forest Assistant; CHAS. A. LEWIS, Forest Assistant; E. T. CLARK, Forest Assistant; B. R. H. D'ALLEMAND, Forest Assistant.

FURLoughED.**Silviculture—**

MANAGEMENT: NILS B. ECKBO, Agent.

Products—

WOOD UTILIZATION: W. B. BARROWS, Forest Assistant.

Operation—

ORGANIZATION: ROSS McMILLAN.

RESTORED TO THE ROLLS WITH PAY.**Silviculture—**

COOPERATION: ALFRED AKERMAN, Forest Assistant.

RESIGNED.**Silviculture—**

MANAGEMENT: R. M. MACMURRAY, Forest Assistant.

Lands—

OCCUPANCY: WM. McELROY, Expert Miner.

Operation—

ENGINEERING: JOE Y. WORK, Assistant Engineer.

ORGANIZATION: HORACE F. STUDLEY, Forest Assistant; MARK G. WOODRUFF, Forest Supervisor; CHARLES G. Y. HIGGINS, Forest Supervisor.

PROMOTED.**Forester—**

INSPECTION: FREDERICK E. OLMFSTED, Chief Inspector; SMITH RILEY, Chief Inspector; D. D. BRONSON, Chief Inspector; S. L. MOORE, Inspector; FRANKLIN W. REED, Inspector; JOHN H. HATTON, Inspector; WILLARD W. CLARK, Inspector; PAUL G. REDINGTON, Inspector; WM. H. B. KENT, Inspector; GEO. W. PEAVY, Inspector; T. S. WOOLSEY, Jr., Inspector; JAS. M. FETHEROLF, Inspector; F. A. SILCOX, Inspector; ALPHEUS O. WALLA, Inspector; L. L. WHITE, Inspector; M. L. ERICKSON, Inspector; T. D. WOODBURY, Inspector; FRED W. MORRELL, Inspector; FRED E. AMES, Inspector; R. Y. STUART, Inspector; COERT DUBoIS, Inspector.

INFORMATION: HERBERT A. SMITH, Editor; RAYMOND W. PULLMAN, Expert.

DENDROLOGY: CLAYTON D. MELL, Forest Assistant.

Silviculture—

WM. T. COX, Assistant Forester in Charge; EDWARD E. CARTER, Assistant Forester.

MANAGEMENT: EARL H. CLAPP, Chief of Management; WM. B. GREELEY, Associate Chief; GEO. L. GREGG, Lumberman; JOHN S. BAIRD, Lumberman; F. X. SALZMAN, Lumberman; LOUIS MARGOLIN, Forest Assistant; A. B. RECKNAGEL, Chief of Reconnaissance; WM. R. MCKINNON, Lumberman; JOSEPH D. WARNER, Forest Assistant; CHAS. S. JUDD, Forest Assistant; D. T. MASON, Forest Assistant; C. E. DUNSTON, Forest Assistant; GEO. P. BARD, Forest Assistant; JOHN F. PRESTON, Forest Assistant; JOHN H. ALLISON, Forest Assistant; G. MORRIS HOMANS, Chief, Timber Sales.

COOPERATION: WM. G. WEIGLE, Assistant Chief; EDWARD A. BRANIFF, Forest Assistant; KARL W. WOODWARD, Forest Examiner; WM. T. ANDREWS, Lumberman; GEO. L. COTT, Lumberman; WM. S. UHLER, Lumberman; MARK BURNS, Lumberman; PHILIP T. HARRIS, Forest Examiner; ALLAN B. PATTERSON, Forest Assistant; WESLEY BRADFIELD, Forest Assistant; INMAN F. ELDREDGE, Forest Assistant; WM. B. PIPER, Forest Assistant; A. E. OMAN, Forest Assistant; D. C. A. GALARNEAU, Forest Assistant; J. H. HOWARTH, Forest Assistant; J. H. FOSTER, Forest Assistant; GEO. S. KEARNEY, Forest Agent; J. GIRVIN PETERS, Forest Examiner; LOUIS S. MURPHY, Forest Assistant; J. ST. J. BENEDICT, Forest Assistant.

SILVICS: RAPHAEL ZON, Chief; ANTON T. BOISEN, Forest Assistant; ELMER R. HODSON, Forest Assistant; EARL H. FROTHINGHAM, Chief of Compilation; SAMUEL T. DANA, Forest Assistant; CARLOS G. BATES, Forest Assistant; GUSTAF A. PEARSON, Forest Assistant.

EXTENSION: LOUIS C. MILLER, Chief of Planting; ALLEN S. PECK, Chief of Cooperation; WM. H. VON BAYER, Chief of Reconnaissance; EDWARD C. CLIFFORD, Forest Assistant; ERIC O. SIECKE, Forest Assistant; JULIUS F. KUMMEL, Forest Assistant; LINCOLN CROWELL, Forest Assistant; CARL KUPFER, Forest Assistant.

Grazing—A. F. POTTER, Assistant Forester.

CONTROL: LEON F. KNEIPP, Chief; WILL C. BARNES, Inspector of Grazing; EDWARD N. KAVANAGH, Deputy Forest Supervisor.

DEVELOPMENT: CHAS. H. ADAMS, Inspector; WM. C. CLOS, Inspector; JAMES T. JARDINE, Special Agent; J. K. CAMPBELL, Inspector of Grazing; IVAR TIDESTROM, Scientific Assistant; ARTHUR W. SAMPSON, Expert in Plant Ecology.

Products—ROYAL S. KELLOGG, Assistant Forester.

WOOD UTILIZATION: McGARVEY CLINE, Chief; HAROLD S. BETTS, Assistant Chief; EDWIN A. ZIEGLER, Chief of Computing; HOWARD S. BRISTOL, Expert and Chief of Chemistry; HARRY D. TIEMANN, Forest Assistant and Engineer in Timber Tests; EDWIN SUTERMEISTER, Expert; CARY L. HILL, Forest Assistant; JOSEPH B. KNAPP, Engineer in Timber Tests; ROLF THIelen, Engineer in Timber Tests; O. P. M. GOSS, Engineer in Timber Tests; FREDERICK DUNLAP, Forest Assistant; HOMER S. SACKETT, Forest Assistant; ERNEST BATEMAN, Expert; ARTHUR L. HEIM, Engineer in Timber Tests; ALBERT H. PIERSON, Forest Assistant; WM. B. BARROWS, Forest Assistant; P. D. EDMUNDS, Forest Agent; T. W. VENEMANN, Timber Testing Assistant.

Products—Continued.

WOOD PRESERVATION: WM. F. SHERFESSEE, Chief; HOWARD F. WEISS, Chief, Section of Research; JOHN M. NELSON, Jr., Chief, Section of Railroad and Mine Timbers; C. STOWELL SMITH, Chief, Section of Farm Timbers; WALTER R. WHEATON, Chief, Section of National Forest Timbers; W. H. KEMPFER, Forest Assistant; ORRINGTON T. SWAN, Forest Assistant.

PUBLICATION: FINDLEY BURNS, Chief; BRISTOW ADAMS, Expert and Chief, Section of Review; EVERETT W. SMITH, Expert.

LANDS—PHILIP P. WELLS, Expert and Assistant Forester; ARTHUR C. RINGLAND Assistant Forester.

LAW: ALEXANDER C. SHAW, Principal Examiner; G. S. ARNOLD, Expert; CHAS. R. PIERCE, Expert; E. A. LANE, Expert.

OCCUPANCY: HERBERT O. STABLER, Assistant Chief; PAUL D. KELLETER, Forest Assistant; STANTON G. SMITH, Forest Assistant; JOHN D. GUTHRIE, Forest Assistant; CALVIN L. FARRAR, Deputy Forest Ranger; JOHN V. HUBBARD, Forest Guard; LEE A. HARRIS, Deputy Forest Ranger.

GEOGRAPHY: F. G. PLUMMER, Geographer; DABNEY C. HARRISON, Topographer.

OPERATION—JAMES B. ADAMS, Assistant Forester, in charge; CHARLES S. CHAPMAN, Assistant Forester.

ENGINEERING: FREDERICK C. WALES, Constructing Engineer.

ORGANIZATION: CLYDE LEAVITT, Chief; GEO. H. CECIL, Assistant Chief; ROBT. V. R. REYNOLDS, Forest Assistant; HARRY M. HALE, Deputy Forest Supervisor; WM. M. MAULE, Forest Assistant; CLINTON G. SMITH, Forest Assistant; ROBT. W. AYRES, Forest Assistant; M. B. PRATT, Forest Assistant; DOUGLAS RODMAN, Forest Assistant; HARRY C. NEEL, Forest Assistant; J. F. BRUINS, Deputy Forest Supervisor; HAROLD D. FOSTER, Forest Assistant; R. F. HAMMATT, Deputy Forest Supervisor; ARTHUR D. READ, Forest Assistant; LAGE WERNSTEDT, Forest Expert; DORR SKEELS, Forest Assistant; PHILIP T. COOLIDGE, Forest Assistant; MALLORY N. STICKNEY, Forest Assistant; H. D. BURRALL, Forest Assistant; RUSSEL F. BALTHIS; Forest Assistant; SWIFT BERRY, Forest Assistant; W. M. DRAKE, Forest Assistant; C. M. GRANGER, Forest Assistant; L. L. JANES, Forest Assistant; FRANK B. KELLOGG, Forest Assistant; N. F. MACDUFF, Forest Assistant; RUSSELL G. POND, Forest Assistant; DAVID N. ROGERS, Forest Assistant; ROLLAND A. STRETCH, Forest Assistant; ELWOOD I. TERRY, Forest Assistant; CHESTER N. WHITNEY, Forest Assistant; SEROPE Y. PARNAY, Forest Planting Assistant; JOHN MURDOCK, Jr., Forest Assistant; WM. D. HAYES, Forest Assistant; NATHAN J. FETHEROLF, Forest Planting Assistant; LA MOREE BESLEY, Forest Planting Assistant.

SERVICE NOTES FOR AUGUST.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

BRANCH OF SILVICULTURE.

OFFICE OF EXTENSION.

Form 977—

All supervisors who have not submitted the reports from their Forest officers on seed crop of forest trees, due July 20, should do so at once, since it is very essential that the data be available immediately for the preparation of plans for seed collecting.

The Use Book Amended—

Under Free-Use Business, page 192 of The Use Book, the first sentence should read "Annual statement for fiscal year" and not "calendar year".

BRANCH OF GRAZING.

Grazing Trespass; Proposition of Settlement—

Rangers, unless instructed to do so by their respective supervisors, should not require stock owners presumed to be grazing stock in trespass to submit propositions of settlement. A ranger's report of a grazing trespass need not be accompanied by an offer of settlement from the owner of the stock. In accordance with instructions contained on page 120 of The Use Book, the supervisor, upon receipt of the ranger's report, will consider the evidence submitted, and if, in his opinion, a trespass has been committed, he will then request the owner of the stock to submit a proposition of settlement.

BRANCH OF LANDS.

OFFICE OF LAW.

Civil Actions Recommended—

Black Hills National Forest.—M. R. & N. W. R. R. Co.; fire.

Sierra National Forest.—S. J. Harris; special use trespass (occupancy).

Criminal Actions Recommended—

Chelan National Forest.—Harry Loughnane; timber trespass.

Coeur d'Alene National Forest.—M. Brunton; special use trespass (saloon).

Deerlodge National Forest.—Fleetwood Sothcott; special use trespass (saloon).

Missoula National Forest.—James Wilson; special use trespass (saloon).

Pecos National Forest.—A. Rainey and Clarence Knott; fire trespass.

Trespass and Larceny; Lewis & Clark (S) National Forest—

On June 25 the Secretary of Agriculture recommended to the Department of Justice the prosecution of Fred Smith, James Brown, and Pete Jamison under the regulation of the Secretary of Agriculture cited in paragraph (h), Regulation 64, page 120, of The Use Book, for breaking a hasp upon a door of a building on an administrative site. Provisions which were personal property of Supervisor Bunker were stolen, but this did not constitute larceny from the United States. The Attorney General was requested to ask the United States attorney at Helena to advise the supervisor concerning prosecution for the larceny under State laws.

OFFICE OF OCCUPANCY.

Claims—

The Use Book Amended.—The Use Book is hereby amended by inserting the title "Procedure on Contested Claims" immediately before the last paragraph on page 37.

The Use Book is hereby further amended by striking out the words "February 14, 1906" on page 292, and inserting in place thereof the words "September 30, 1907

(36 L. D., 112), as amended November 25, 1907 (36 L. D., 178)." This amendment is in accordance with the General Land Office circular of June 23, 1908, to registers and receivers and special agents.

Assignments of Geologists.—It is very important that all supervisors to whose Forests geologists are assigned shall notify the Forester as far in advance as possible as to when the geologists will complete their work. This is absolutely necessary, for the assignment of geologists to other Forests must be arranged in advance to avoid loss of their time.

Boundaries; Administrative sites—

The attention of all Forest officers is called to the following circular letter from the Acting Director of the Reclamation Service to the supervising and project engineers regarding administrative sites on lands withdrawn under the reclamation act. Whenever a supervisor knows from his records, or otherwise, that a tract desired for administrative uses is covered by a reclamation withdrawal, he should at once communicate with the project engineer (or with the supervising engineer if there is no project engineer) in order to secure from him the necessary written statement, which must accompany the report, on Form 271, to the Forester. The addresses of the supervising and project engineers of the Reclamation Service will be found in the "Reclamation Record," a copy of which will be sent to each supervisor on the first of every month, beginning this month. In order to avoid delays when the engineers are changed, they should be addressed by title and not by name, as, for example, "Supervising Engineer, Reclamation Service, Phoenix, Ariz.," "Project Engineer, Reclamation Service, Roosevelt, Ariz."

DEPARTMENT OF THE INTERIOR,
UNITED STATES RECLAMATION SERVICE,
Washington, D. C., July 9, 1908.

To Supervising and Project Engineers:

In connection with the establishment of additional ranger stations by the Forest Service on tracts which have been withdrawn under the reclamation act, the following procedure should be observed by the engineers of the Reclamation Service:

The supervisors of the National Forests have been instructed to confer with the supervising or project engineers with regard to such occupation of lands covered by reclamation withdrawal, whether for ranger stations, ranger pastures, or other similar administrative purposes. Where the conditions are such that the occupancy of the land by the Forest Service would be incompatible with its use by the Reclamation Service for the purposes for which it was withdrawn the Forest supervisor should be so notified in writing—copy to this office.

In cases where it can be determined that the tracts involved will not be required for reclamation purposes, and there is therefore no objection to their restoration, recommendation to that effect should be made direct to this office, when arrangements will be made to restore the lands and for their simultaneous withdrawal by the Forest Service, if desired.

In cases where it is not considered advisable to restore the tracts to the public domain, although the use of the land will not be required by the Reclamation Service for several years, and there is no objection to their temporary occupation by the Forest Service, action will be taken as follows, in order, if considered advisable, the lands may be temporarily withdrawn for forest purposes: A written statement by the supervising or project engineer should be furnished the Forest supervisor, with copy to this office, that there is no objection to such occupation. It should also be distinctly stated in the letter to the Forest supervisor that in case the Forest Service desires to recommend a second withdrawal for forest purposes, such secondary withdrawal shall contain the following stipulations: That it is subject to the reclamation withdrawal for irrigation purposes; that the reclamation withdrawal is to remain the dominant withdrawal; that the secondary withdrawal for Forest purposes will be promptly revoked upon due notice that the land is required for reclamation purposes; and that such secondary withdrawal by the Forest Service is subject to the authority of the Secretary of the Interior to change the withdrawal for irrigation works to a withdrawal permitting the irrigation of the lands involved.

Such statement by the engineer will be sufficient basis for a secondary withdrawal by the Forest Service without further reference to this office.

It is important, however, that this office be furnished with copies of all reports to the Forest supervisors, and that recommendation be made direct to this office in all cases where restorations are to be made of lands withdrawn for reclamation purposes.

Very truly yours,

C. H. FITCH, Acting Director.

Boundaries—

Proclamations were signed by the President, to take effect July 1, making the following additions and eliminations: An addition of 137,073 acres to the Klamath National Forest, California, on the west side; an addition of 413,384 acres to the Coconino National Forest, Arizona, which affects both what were formerly known as the San Francisco Mountains and Grand Canyon (S) National Forest; an addition of 117,664 acres to the Crook National Forest, Arizona, formerly the Mount Graham National Forest; an addition of 10,550 acres to the Uinta National Forest, Utah; an elimination of 238,912 acres from that portion of the Coconino National Forest, Arizona, which was formerly the Grand Canyon (S) National Forest; an elimination of 9,760 acres from the Crook National Forest, Arizona; an elimination of 72,622 acres from the Siuslaw National Forest, Oregon, formerly the Tillamook and Umpqua National Forests; an elimination of 31,176 acres from the Umpqua National Forest, Oregon; an elimination of 160 acres from the Helena National Forest, Montana, in the vicinity of the town of Helena; an elimination of 3,520 acres from the Deerlodge National Forest, Montana, which was formerly the Helena National Forest; an elimination of 9,300 acres from the Kootenai National Forest, Montana, near the town of Libby; an elimination of 53,775 acres from the Montezuma National Forest, Colorado.

The eliminations and additions to the Gila and the Datil National Forests, made by the President's proclamation signed June 18, were incorrectly stated in the Field Program for July. The proclamation added 39,000 acres to what is now the Datil and eliminated 2,559 acres. It also added 29,460 acres to the Gila.

The Use Book Amended—

The Use Book is hereby amended by inserting on page 57, line 8, the words "accompanied by a complete report on Form 964" after the word "Forester." It is, of course, necessary that the Forester's copies of supervisors' special-use permits be accompanied by reports as hitherto, and the words inserted by this amendment were omitted through error.

Special-Use Permits; Act of June 11, 1906—

Supervisors should not record special-use cases as closed when they receive notice that the land involved has been listed. The listing of the land with the Secretary of the Interior as agricultural, with the recommendation that it be opened to entry, does not change the legal status of the land nor affect any special-use permit covering it. When the land becomes open to entry, however, any special-use permit covering the land terminates. Therefore, as soon as the land involved becomes open to entry, supervisors should immediately record special-use cases as closed and notify the Forester.

BRANCH OF OPERATION.**OFFICE OF ACCOUNTS.****1908 Accounts—**

The Service is required by law to submit a statement to Congress showing total payments from July 1, 1907, to September 30, 1908, of all liabilities incurred during the fiscal year ending June 30, 1908. It is desired, therefore, that all outstanding claims for the fiscal year 1908 be forwarded to Washington as soon as practicable, in order that payment can be made before September 30.

Transportation Requests—

All transportation requests not used during the year 1908, and stamped "Good until June 30, 1908," should be returned to the Fiscal Agent, Washington, D. C., for cancellation.

Accounts of Temporary Special Disbursing Agents—

Temporary special disbursing agents, when forwarding their paid accounts, will render only one Form 99 therewith, the total on which should equal the sum of the totals on the vouchers transmitted. The project should be indicated on the face of each voucher for improvement expenses, and the lower portion of the form should show a summary by projects.

New Series of Numbers in Journal of Expenses—

Supervisors will adopt a new series of numbers in their Journal of Expenses, for 1909 accounts, beginning with No. 1.

Payment of Accounts by Check—

It is extremely desirable that temporary special disbursing agents pay accounts by check rather than in cash. In cases of emergency, however, such as fire-fighting expenses, cash may be used, but whenever a check is acceptable it is better policy to pay in this manner.

Expenditures for Permanent Improvements—

The expenditure, by supervisors for permanent improvements, of money allotted them for general expenses is not authorized and should be made only upon authority from the Forester.

Form 221. Telephone Service—

This form is to be used in lieu of cash payments for telephone service with companies that have made special contract rates for the Forest Service. All the blank spaces must be filled as indicated before being signed.

Written messages to be transmitted by telephone and telegraph should be indorsed "Office Business" and take Government telegraph rates. Copies of all such messages will accompany the account of the telephone or telegraph company when submitted to this office for payment.

No charge for this service should be made in the Journal of Expenses against the letter of authorization, since expenses of this character are paid from a contingent fund set aside for this purpose.

OFFICE OF MAINTENANCE.**Requisitions for Supplies—**

Supervisors continue to send requisitions for supplies to the Washington office. The Section of Supplies in Washington is no longer equipped to fill these requisitions, and it is necessary to forward them to the supply depot at Ogden, Utah. As indicated in the Field Program for June, supervisors will make requisitions for supplies directly to the Ogden depot.

Numbering of Vouchers Affecting Forest Accountability—

Forest officers in charge have not been following the instructions contained in Service Order 15, "Property accounting on the National Forests." This order requires that the inventory taken on June 1, 1908, should be numbered "1," and that every subsequent transaction affecting Forest Accountability, whether on Form 128D, 939, 858, or 217, should be given a number following serially the No. 1 on the inventory. A great many of these vouchers have been received with no number given, and it has been necessary in every case to return them to the sender for the necessary information. It also often happens that when Form 939 accompanies Form A or Form 4 it bears the number of the account to which it is attached, instead of being given the next serial number.

Supervisors should read over Service Order 15, with a view to obtaining a thorough understanding of the working idea involved.

OFFICE OF ENGINEERING.**Standard Plans and Bills of Material—**

The Standard Plans for Rangers' Cabins and Bills of Material have been sent out to all supervisors. The set bound in heavy board covers is to be retained in the supervisor's office, and the sets bound in manila are for use in the field, if desired. Supervisors who have not received these plans or who require additional sets should make requisition for them to the Property Clerk, Ogden, Utah.

Revised Form 283—

Attention is called to "OE" circular letter of July 3. A report on the revised Form 283 should be submitted on each project which has been authorized, as soon as possible after the close of each month. When a supply of the revised form is received from the printer, a sufficient number will be sent to each supervisor without requisition.

Correspondence for Ogden—

Attention is again called to "OE" circular letter of March 5. A number of letters are being received in the Washington office which should be sent to Ogden. All letters for the Ogden office should be sent directly to that point, and duplicates should not be sent to the Forester. The original and duplicate copies of all estimates should also be sent to Ogden. It is not necessary to send carbons of letters to the Forester to the Ogden office. Please give this matter careful attention.

OFFICE OF ORGANIZATION.**Excessive Number of Appointments—**

Supervisors requesting the appointment of men in excess of the number given in the allotment letter of June 20 must state either that the salaries of such men will be charged wholly to authorized improvement projects or that part of the allotted force will be furloughed or separated later to offset the amount to be paid such appointees. It is not absolutely necessary to keep the personnel exactly as given in the allotment letter with respect to number and grade, but the salary allotment for the year must in no case be exceeded.

Care should be taken in the use of Form 143 to show what part of the salary of each employee is properly chargeable to administration salaries and what part is payable from the improvement fund, and the charges on Form 99 should be distributed to correspond with Form 143.

Proclamation Diagrams—

Proclamation diagrams of a number of the National Forests in accordance with the plan of redistricting have already been sent the supervisors concerned. Diagrams for the other Forests will be sent as soon as they can be printed. In many cases natural topographic features, as divides or rivers, have been adopted as boundary lines. It should be clearly understood that the actual location of the divide or river will govern, and not the location as shown on the diagram. When divides or streams are improperly located on these diagrams supervisors are requested to report the fact to the Forester as soon as possible. In every case the supervisor should submit a diagram showing the line as it should be corrected.

Construction and Improvement of Trails—

By the instructions on the new Form 99 and in circular letter OO of June 19 it was not intended to imply that Forest officers should not construct and improve trails in cases where no allotments of money have been made for that purpose from the Improvement Fund. The construction and maintenance of trails is an important part of the regular work of a Forest officer, and should be carried on wherever possible, by the regular force, regardless of whether or not money from the Improvement Fund has been set aside for that purpose.

United States Department of Agriculture,

FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR SEPTEMBER, 1908.

This program of field work and assignments in the Forest Service is issued monthly, and is for the exclusive use of members of the Forest Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate. Information concerning errors or omissions and changes of project or of address for the following month should be sent by members to the offices of their respective chiefs not later than the 20th of the month.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

EUGENE S. BRUCE, Expert Lumberman.

Compilation of data for National Conservation Commission—W. T. COX and R. S. KELLOGG, Assistant Foresters.

INSPECTION.

FORESTER AND ASSOCIATE FORESTER.

Inspection District 1.—Montana, northeastern Washington, northern Idaho, northern Wyoming, and northwestern South Dakota.

E. A. SHERMAN, Chief Inspector, Missoula, Mont.

Inspectors: F. A. SILCOX and R. Y. STUART, Missoula, Mont.; P. G. REDINGTON, Washington, D. C.

Inspection District 2.—Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, western Kansas, and southeastern Utah.

SMITH RILEY, Chief Inspector, Denver, Colo.

Inspectors: R. P. IMES, S. L. MOORE, and T. D. WOODBURY, Denver, Colo.; F. W. MORRELL, Washington, D. C.

Inspection District 3.—Arizona, Arkansas, New Mexico, and Oklahoma.

D. D. BRONSON, Chief Inspector, Albuquerque, N. Mex.

Inspectors: W. R. MATTOON and A. O. WAHA, Albuquerque, N. Mex.; T. S. WOOLSEY, Jr., Washington, D. C.

Inspection District 4.—Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

F. W. REED, Acting Chief Inspector, Salt Lake City, Utah.

Inspectors: J. M. FETHEROLF, Salt Lake City, Utah.; L. L. WHITE, Washington, D. C.

Inspection District 5.—California and southwestern Nevada.

F. E. OLMIESTED, Chief Inspector, San Francisco, Cal.

Inspectors: J. H. HATTON, Wm. C. HODGE, Jr., and G. W. PEAVY, San Francisco, Cal.; COERT DU BOIS, Washington, D. C.

Inspection District 6.—Washington, Oregon, a small part of northern California, and Alaska.

E. T. ALLEN, Chief Inspector, Portland, Oreg.

Inspectors: W. H. B. KENT and M. L. ERICKSON, Portland, Oreg.; F. E. AMES, Washington, D. C.

E. M. GRIFFITH, *Special Inspector*, for Indian Reservations in Wisconsin, Madison Wis.

BRANCH OF SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

OFFICE OF FOREST MANAGEMENT.

E. H. CLAPP, Chief.

W. B. GREELEY, Chief.

Timber Sales, G. M. HOMANS.

D. T. MASON.

TIMBER SALE CORRESPONDENCE.

District 1—R. H. RUTLEDGE and M. N. STICKNEY.

District 2—O. C. SNOW.

District 3—R. J. SELKIRK.

District 4—W. I. PACK.

District 5—C. E. RATCHFORD.

District 6—C. S. JUDD.

Trespass—FRED LEES and G. W. HOLLAND.

TEMPORARY ASSIGNMENTS.

(Under the Direction of Supervisors.)

Forest Assistants.

C. E. DUNSTON, Pocatello, Idaho.
J. F. PRESTON, Great Falls, Mont.

J. D. WARNER, Libby, Mont.
R. W. ALLEN, Encampment, Wyo.

Lumbermen.

J. S. BAIRD, Cass Lake, Minn.
GEO. P. GREGG, Provo, Utah.
J. P. HUGHES, Nevada City, Cal.

A. J. NORTON, Anaconda, Mont.
W. R. MCKINNON, Cass Lake, Minn.

Reconnaissance, A. B. RECKNAGEL (in the Field).
P. T. HARRIS, Acting.

PROJECTS.

Arizona—

Estimate and working plan for Coconino National Forest—J. H. ALLISON, Flagstaff; assistants, MAX ROTKUGEL, JOHN LAFON, Jr., H. G. CALKINS, and H. HAEFNER.

Colorado—

Working plan for Pike, Leadville, and Holy Cross National Forests—FRANK VOGEL, Denver; assistants, D. W. ADAMS, P. T. COOLIDGE, J. A. FITZWATER, J. HIGGINS, J. E. MARTIN, and R. A. STRETCH.

Study of marking on National Forest timber sales—WALTER MULFORD, Denver.

Idaho—

Working plan for Sawtooth National Forest—C. P. WILBER, Hailey.

Utah—

Working plan for Cache National Forest—G. P. BARD, Logan.

OFFICE OF COOPERATION.

A. K. CHITTENDEN, Chief (in the Field).
W. G. WEIGLE, Assistant Chief (in the Field).
J. G. PETERS, Acting Chief.

Federal Cooperation, A. K. CHITTENDEN.

Correspondence, HARRY IRION.

PROJECTS.

California—

Estimate for Hoopa Valley Indian Reservation, in cooperation with the Indian Service—I. F. ELDREDGE and W. T. ANDREWS, San Francisco.

Michigan and Wisconsin—

Timber work on Indian reservations—E. A. BRANIFF, Shawano, Wis.; assistants, J. A. HOWARTH, W. E. LA FOUNTAIN, MARK BURNS, W. S. UNLER, and D. M. LANG.

Minnesota—

Examination of fire-killed timber on Red Lake Indian Reservation—G. L. COTT, Red Lake.

Montana—

Examination of blown-down timber in North Cheyenne Indian Reservation—S. M. CROSS, Ashland.

New Mexico—

Supervision of cutting, Fort Wingate Military Reservation, in cooperation with the War Department—NELSON LE GRAND, Guam.

State and Private Cooperation,
K. W. WOODWARD (in the Field).

PROJECTS.

Alabama—

Timberland examinations—Prof. R. S. MACKINTOSH, Auburn.

Cooperation with forest landowners—A. B. RECKNAGEL, Tuscaloosa.

Illinois—

Study of forest conditions, in cooperation with State Laboratory of National History—WESLEY BRADFIELD, Vandalia.

Kentucky—

Study of forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—J. S. HOLMES, E. D. CLARK, R. C. HALL, W. B. WILEY, and G. T. BACKUS, London.

Montana—

Study of forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD and E. D. FLETCHER, Missoula; W. B. PIPER and N. C. BROWN, Bozeman; J. BENTLEY, Jr., and J. ST. J. BENEDICT, Ovando; L. S. MURPHY and RUTLEDGE PARKER, Thompson Falls.

Examination of areas damaged by sulphur fumes, A. K. CHITTENDEN and W. G. WEIGLE, Anaconda.

New Hampshire—

Preparation of a report on forest taxation, in cooperation with the New Hampshire Forestry Commission—J. H. FOSTER, Washington, D. C.

Wisconsin—

Preparation of a report on Chicago and Northwestern Railway timberland—A. B. PATTERSON, Washington, D. C.

OFFICE OF SILVICS.

RAPHAEL ZON, Chief.

Field Studies, S. T. DANA.

PROJECTS.**Colorado—**

Study of insect-infested timber in Colorado National Forests, in cooperation with the Bureau of Entomology (Forest Insect Investigations, A. D. Hopkins, in charge)—W. D. EDMONSTON, Colorado Springs.

Study of marking on National Forest timber sales, and establishment of permanent sample plots—E. R. HODSON, Glenwood Springs, and E. H. FROTHINGHAM, Denver.

Study of the reproduction of lodgepole pine—F. E. CLEMENTS, Estes Park.

Middle West—

Study of windbreaks and their influences—C. G. BATES, in charge; C. R. TILLOTSON (in cooperation with the Nebraska Experiment Station), T. R. COOPER, A. G. HAMEL, W. W. MORRIS, G. R. MORRISON, Box 1157, Lincoln, Nebr.; F. J. PHILLIPS, Station A, Lincoln, Nebr.

Northwest—

Study of the encroachment of lodgepole pine on western yellow pine on the east slope of the Cascade Range—T. T. MUNGER, Portland, Oreg.

Southwest—

Study of the reproduction of western yellow pine, and establishment of a forest experiment station on the Coconino National Forest—G. A. PEARSON, Flagstaff, Ariz.

Study of root habits of seedlings—J. W. TOUMEY; assistant, J. D. COFFMAN, both at North Fork, Cal.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

OFFICE OF EXTENSION.

SAMUEL N. SPRING, Chief.

Planting, L. C. MILLER.

J. F. KÜMMEL.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

Examination and selection of areas for planting and sowing on the Sierra National Forest—E. C. CLIFFORD, Bishop, Cal.; Sundance National Forest—L. CROWELL, Sundance, Wyo.; Oregon National Forest—G. B. MACDONALD, Portland, Oreg.; Crook National Forest—W. B. HADLEY, Safford, Ariz.; Carson and Pecos National Forests—W. D. HAYES, Santa Fe, N. Mex.

Examination and selection of areas for planting and sowing, and supervising seed collecting, Uncompahgre National Forest—R. G. PIERCE, Delta, Colo.

Reconnaissance, W. H. von BAYER.**PROJECTS.****California—**

Study of eucalyptus planting—C. A. KUPFER, Los Angeles.

Kansas—

Study of private forest planting—W. M. MOORE, Hutchinson.

Cooperation, A. S. PECK.

Correspondence.—Advice on private forest planting—R. L. ROGERS.

PROJECTS.**Kansas—**

Study of plantations established as the result of advice given by the Forest Service—A. E. OMAN, Hutchinson.

West Virginia—

Preparation of planting plans for private landowners—E. O. SIECKE, Wheeling.

BRANCH OF GRAZING.

A. F. POTTER, Assistant Forester (in the Field).
L. F. KNEIPP, in Charge.

OFFICE OF CONTROL.

L. F. KNEIPP, Chief.

Allotment, WILL C. BARNES.

Adjustment, E. N. KAVANAGH (in the Field).

Protection, W. S. PERRINE.

Permits, Miss ANNA P. KOSCHWITZ.

OFFICE OF DEVELOPMENT.

WILL C. BARNES, Acting Chief.

Fences, C. H. ADAMS (in the Field).

Forage, W. C. CLOS (in the Field).

Water, J. K. CAMPBELL (in the Field).

PROJECTS.

Forage investigations—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Wallowa, Oreg.; Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Expert, both at Wallowa, Oreg.; F. H. KOSCHWITZ, Agent, Manti, Utah.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Hugo, Colo.; IVAR TIDESTROM, Scientific Assistant, Ephraim, Utah; N. L. T. NELSON, Agent, Hugo, Colo.

Extermination of prairie dogs—H. L. BENHAM, Forest Guard, in charge, Denver, Colo.

BRANCH OF PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge (in the Field).

R. S. KELLOGG, Assistant Forester.

FINDLEY BURNS, in Charge.

C. G. CRAWFORD, Specialist in Wood Preservation.

OFFICE OF WOOD UTILIZATION.

McGARVEY CLINE, Chief (in the Field).
H. S. BETTS, Assistant Chief.

PROJECTS.

Turpentining Studies—

Chipping experiments—P. D. EDMUNDS, Green Cove Springs, Fla.
 Statistics on production—J. O. LA FONTISEE, Jacksonville, Fla.; assistants, J. P. MOODY and G. H. JONES.
 Effects of different methods of turpentining—A. L. BROWER, Jacksonville, Fla.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, Washington, D. C.
 Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.

PROJECTS.

Study of commercial processes of wood distillation and the standardization and grading of turpentines—L. F. HAWLEY, in the Field; assistant, F. E. LICHTENTHAELER, Boston, Mass.

Experiments to determine the value of various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of chemical problems in wood utilization and wood preservatives—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

National Forest Studies.

Districts 1 and 6, J. B. KNAPP in charge.

Study of wood-using industries and markets for forest products—J. B. KNAPP, Seattle, Wash.; assistant, F. I. ROCKWELL.

Washington—

Tests of western larch, treated Douglas fir, western hemlock, and National Forest woods, in cooperation with the Western Pine Manufacturers' Association, the Pacific Creosoting Company, the Pacific Coast Lumber Manufacturers' Association, and the University of Washington—O. P. M. GOSS, University Station, Seattle; assistant, P. S. BUHL.

Districts 2 and 3, C. L. HILL in charge.

Study of wood-using industries and markets for forest products—C. L. HILL, Boulder, Colo.; assistant, H. B. HOLROYD.

Colorado—

Establishment of timber-testing laboratory, in cooperation with the University of Colorado—A. L. HEIM, Boulder.

Districts 4 and 5, L. E. HUNT in charge.

Study of wood-using industries and markets for forest products—L. E. HUNT, Berkeley, Cal.; assistant, J. V. WULFF.

California—

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Wood Uses, ROLF THELEN, Acting.

PROJECTS.

Connecticut—

Timber tests, with special reference to the influence of method of drying on the strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Indiana—

Tests of structural timbers and a number of species of hickory, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, W. M. D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, Chicago, Ill.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, Washington, D. C.

Timber-test files—T. W. VENEMANN, Washington, D. C.

OFFICE OF WOOD PRESERVATION.

W. F. SHERFESEE, Chief (in the Field).
H. F. WEISS, Acting Chief.

PROJECT.

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

National Forest Timbers, WALTER R. WHEATON.**PROJECTS.****Colorado—**

Experimental operation of a wood-preserving plant for National Forest timbers—W. H. KEMPFER, Norrie.

South Dakota—

Experimental operation of a wood-preserving plant for National Forest timbers—GEORGE R. OGIER, Deadwood.

Farm Timbers, C. STOWELL SMITH.**PROJECTS.****District of Columbia—**

Preservative treatment of greenhouse timbers, in cooperation with the Bureau of Plant Industry—HOWARD B. OAKLEAF, Washington, D. C.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—Prof. C. A. SCOTT, Ames.

New York—

Preservative treatment of greenhouse timbers, in cooperation with S. Jacobs & Sons, Brooklyn.

South Carolina—

Preservative treatment of fence posts and other farm timbers, in cooperation with the South Carolina Agricultural Experiment Station—C. P. WILLIS, Clemson.

Railroad and Mine Timbers, JOHN M. NELSON, Jr.**PROJECTS.****Alabama—**

Construction and experimental operation of a commercial open-tank wood preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

California—

Experiments in seasoning and treating telephone poles, in cooperation with electric companies in southern California—O. T. SWAN, Hotel Westmoore, Los Angeles.

Idaho—

Experimental treatment of mine timbers, in cooperation with the Bunker Hill and Sullivan Mining and Concentrating Company—H. A. PAUL, care S. A. Easton, Kellogg.

Experimental treatment of mine timbers, in cooperation with the Hercules Mining Company—PAUL M. PAINÉ, Burke.

Indiana—

Designs for the construction of an open-tank plant for the treatment of electric railway ties, in cooperation with the Indianapolis, Columbus and Southern Traction Company—P. R. HICKS, Washington, D. C.

Louisiana—

Construction and operation of a plant for the treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—CHARLES T. BARNUM, Winnfield.

Pennsylvania—

Experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant detailed by the company, L. W. CONRAD, Pottsville, Pa.

Experimental operation of a commercial open-tank wood-preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—JOHN M. NELSON, Jr.; assistant, P. R. HICKS, both at Washington, D. C.

Research, HOWARD F. WEISS.

PROJECT.**General Studies—**

Supervision of the construction of an experimental laboratory—C. P. WINSLOW, Washington, D. C.

OFFICE OF PUBLICATION.

FINDLEY BURNS, Chief.

BRISTOW ADAMS, Acting Chief.

Review, BRISTOW ADAMS.

EVERETT W. SMITH, Acting.

Distribution, QUINCY R. CRAFT.

Education,

PUBLICATIONS IN AUGUST.

Circular 151. The Preservative Treatment of Loblolly Pine Cross-Arms.

Circular 135. Chestnut Oak in the Southern Appalachians.

Circular 154. Native and Planted Timber of Iowa.

Yearbook Ext. 466. Cutting Timber on the National Forests and Providing for Future Supply.

Yearbook Ext. 470. Progress of Forestry in 1907.

BRANCH OF LANDS.

P. P. WELLS, In Charge.

A. C. RINGLAND, Assistant Forester.

A. C. SHAW, Principal Examiner.

OFFICE OF LAW.

A. C. SHAW, Chief.

OFFICE OF OCCUPANCY.

M. J. McVEAN, Chief.

H. O. STABLER, Assistant Chief.

Boundaries, S. G. SMITH.
Claims, F. L. HARVEY.

Settlement, C. E. GAGE.
Special Uses, C. H. SQUIRE.

OFFICE OF GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.
Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLB.
Photography, A. G. VARELA.

BRANCH OF OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.

CHAS. S. CHAPMAN, Assistant Forester.

GEO. G. ANDERSON, Assistant in Office Methods.

OFFICE OF ACCOUNTS.

H. B. CRAMER, Fiscal Agent and Chief.

E. A. MELZAR, Assistant Chief.

Audit, GEORGE E. KING.
Bookkeeping, O. H. TIBBOTT.

Receipt, Miss MARY R. LATIMER.
Appointment, Miss F. D. STRAUSE.

OFFICE OF MAINTENANCE.

R. K. HELPHENSTINE, Jr., Chief.

Purchase, H. C. TOWERS.

Supplies, FELIX T. MOORE.

Record, R. K. HELPHENSTINE, Jr.

Property Audit, J. G. FALCK.

Supply Depot, Ogden, Utah, A. M. SMITH.

OFFICE OF ENGINEERING.

W. E. HERRING, Chief.

F. C. WALES, Assistant Chief.

Field Headquarters, Ogden, Utah.

R. E. MESNARD, Acting Chief.

OFFICE OF ORGANIZATION.

CLYDE LEAVITT, Chief.

GEO. H. CECIL, Assistant Chief.

A. C. McCAIN, Forest Supervisor, District 1.

A. L. STROUP, Forest Supervisor, District 2.

EUGENE WILLIAMS, Forest Supervisor, District 3.

DAN. S. PACK, Forest Supervisor, District 4.

E. H. CLARKE, Forest Supervisor, District 5.

W. W. CRYDER, Forest Supervisor, District 6.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant. (6)

Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant. (6)

ARIZONA.

- Apache**—DRAYTON C. MARTIN, Forest Supervisor, Springerville. (3)
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant. (3)
Coconino—F. C. W. POOLER, Forest Supervisor, Flagstaff; W. H. KOBBÉ and W. M. DRAKE, Forest Assistants. (3)
Coronado—M. W. HOCKADAY, Acting Forest Supervisor, Benson. (3)
Crook—T. T. SWIFT, Forest Supervisor, Safford. (3)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George, Utah. (4)
Garces—ROScoe G. WILLSON, Forest Supervisor, Nogales. (3)
Kaibab—J. H. CLARK, Acting Forest Supervisor, Kanab, Utah; DANIEL K. JUDD, Deputy Forest Supervisor. (4)
Prescott—C. H. HINDERER, Forest Supervisor, Prescott; J. D. GUTHRIE, Deputy Forest Supervisor. (3)
Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake. (3)
Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor. (3)

ARKANSAS.

- Arkansas**—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant. (3)
Ozark—DAVID E. FITTON, Forest Supervisor, Fort Smith; W. F. HILL, Deputy Forest Supervisor. (3)

CALIFORNIA.

- Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles; Lytle Creek Planting Station, SEROPE Y. PARNAY and H. C. MUZZALL, Forest Planting Assistants, San Bernardino (5)
California—ERNEST BRITTEN, Forest Supervisor, Willows. (5)
Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor. (5)
Crater—C. J. BUCK, Acting Forest Supervisor, Medford, Oreg.; S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant. (6)
Inyo—A. H. HOGUE, Forest Supervisor, Bishop. (5)
Klamath—R. L. P. BIGELOW, Forest Supervisor, Yreka; F. W. HARLEY, Deputy Forest Supervisor; R. G. POND, Forest Assistant. (5)
Lassen—L. A. H. KLING, Acting Forest Supervisor, Red Bluff; J. C. LAPLANT, Deputy Supervisor. (5)
Modoc—V. L. BONNER, Acting Forest Supervisor, Alturas. (5)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville, Nev. (5)
Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas. (5)
Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Supervisor; J. R. HALL, Forest Assistant. (5)
San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo. (5)
Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor. (5)
Sequoia—W. C. BURTON, Acting Forest Supervisor, Hot Springs; W. M. MAULE, Forest Assistant. (5)
Shasta—W. B. RIDER, Forest Supervisor, Sisson; R. F. HAMMATT, Deputy Forest Supervisor. (5)
Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant. (5)
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)
Stanislaus—R. W. AYRES, Acting Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant. (5)
Tahoe—MADISON B. ELLIOTT, Forest Supervisor, Nevada City. (5)
Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor. (5)

COLORADO.

- Arapaho**—C. J. STAHL, Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor. (2)
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor. (2)
Cochetopa—J. M. CUENIN, Acting Forest Supervisor, Saguache. (2)

- Gunnison**—W.M. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor. (2)
- Hayden**—JAMES BLACKHALL, Acting Forest Supervisor, Encampment, Wyoming. (2)
- Holy Cross**—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; SWIFT BERRY and JAY HIGGINS, Forest Assistants. (2)
- La Salle**—JOHN RUS, Acting Forest Supervisor, Moab, Utah. (2)
- Las Animas**—C. A. WHITNEY, Acting Forest Supervisor, La Veta. (2)
- Leadville**—J. F. BRUINS, Acting Forest Supervisor, Leadville; JAMES E. MARTIN, Forest Assistant. (2)
- Medicine Bow**—H. N. WHEELER, Forest Supervisor, Fort Collins; C. M. GRANGER, Deputy Forest Supervisor. (2)
- Montezuma**—RESS PHILLIPS, Acting Forest Supervisor, Mancos. (2)
- Pike**—C. W. FITZGERALD, Acting Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADLER, Forest Planting Assistant, Monument. (2)
- Rio Grande**—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant. (2)
- Routt**—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs. (2)
- San Isabel**—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe. (2)
- San Juan**—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant. (2)
- Uncompahgre**—H. K. PORTER, Forest Supervisor, Delta; H. L. SPENCER, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant. (2)
- White River**—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant. (2)

IDAHO.

- Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon, Mont.; R. J. MOORE, Deputy Forest Supervisor. (1)
- Boise**—E. GRANDJEAN, Forest Supervisor, Boise; O. M. BUTLER, Deputy Forest Supervisor. (4)
- Cache**—W. W. CLARK, Forest Supervisor, Logan, Utah; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
- Caribou**—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls. (4)
- Challis**—DAVID LAING, Acting Forest Supervisor, Challis. (4)
- Clearwater**—F. A. FENN, Forest Supervisor, Kooskia. (1)
- Coeur d'Alene**—DORR SKEELS, Acting Forest Supervisor, Wallace. (1)
- Idaho**—HENRY A. BERGH, Acting Forest Supervisor, Meadows. (4)
- Kaniksu**—R. L. FROMME, Forest Supervisor, Newport, Wash.; W. N. MILLAR, Forest Assistant. (1)
- Lemhi**—C. L. SMITH, Forest Supervisor, Mackay. (4)
- Minidoka**—W.M. MCCOY, Forest Supervisor, Oakley. (4)
- Nezperce**—GEO. V. RING, Acting Forest Supervisor, Grangeville. (1)
- Payette**—GUY B. MAINS, Forest Supervisor, Emmett. (4)
- Pend d'Oreille**—J. E. BARTON, Acting Forest Supervisor, Sandpoint. (1)
- Pocatello**—C. G. SMITH, Acting Forest Supervisor, Pocatello; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant. (4)
- Salmon**—GEO. G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor. (4)
- Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPETERS, Deputy Forest Supervisor. (4)
- Targhee**—HOMER E. FENN, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor. (4)
- Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor; WALTER A. HOPSON, Forest Assistant. (4)

KANSAS.

- Kansas**—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant. (2)

MINNESOTA.

- Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake. (2)

MONTANA.

- Absaroka**—V. GIFFORD LANTRY, Acting Forest Supervisor, Livingston. (1)
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge. (1)
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor. (1)
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula. (1)
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell. (1)
Cabinet—ROY HEADLEY, Forest Supervisor, Thompson Falls. (1)
Custer—H. D. COOK, Acting Forest Supervisor, Ashland. (1)
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; P. S. LOVEJOY, Deputy Forest Supervisor. (1)
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell. (1)
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman. (1)
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena. (1)
Jefferson—R. W. STUART, Forest Supervisor, Great Falls. (1)
Kootenai—C. E. SCHOONOVER, Acting Forest Supervisor, Libby. (1)
Lewis & Clark—W. H. DAUGS, Acting Forest Supervisor, Chouteau. (1)
Lolo—ELERS KOCH, Forest Supervisor, Missoula. (1)
Madison—J. B. SEELY, Forest Supervisor, Sheridan. (1)
Missoula—D. G. KINNEY, Forest Supervisor, Missoula; HERBERT GRAFF, Forest Assistant. (1)
Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (1)

NEBRASKA.

- Nebraska**—W. H. MAST, Acting Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants. (2)

[NEVADA.]

- Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko. (4)
Inyo—A. H. HOGUE, Forest Supervisor, Bishop, Cal. (5)
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas. (4)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville. (5)
Tahoe—MADISON B. ELLIOTT, Forest Supervisor, Nevada City, Cal. (5)
Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin. (4)

NEW MEXICO.

- Alamo**—ARTHUR M. NEAL, Acting Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant. (3)
Carson—ROSS McMILLAN, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant. (3)
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas, Ariz.; H. D. BURRALL, Forest Assistant. (3)
Datil—R. F. BALTHIS, Acting Forest Supervisor, Magdalena. (3)
Gila—W. H. GODDARD, Forest Supervisor, Silver City; DOUGLAS RODMAN, Deputy Forest Supervisor; C. H. GOETZ, Forest Assistant; Fort Bayard Planting Station—W. B. HADLEY, Forest Assistant; H. C. TURNER and A. HEDRICKS, Forest Planting Assistants. (3)
Jemez—Ross McMILLAN, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant. (3)
Lincoln—J. H. KINNEY, Forest Supervisor, Capitan. (3)
Magdalena—JOHN KERR, Forest Supervisor, Magdalena. (3)
Manzano—A. D. READ, Acting Forest Supervisor, Albuquerque. (3)
Pecos—Ross McMILLAN, Acting Forest Supervisor, Santa Fe; E. I. TERRY, Forest Assistant; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant, Las Vegas; E. L. LAWBAUGH, Forest Planting Assistant. (3)

OKLAHOMA.

- Wichita**—FRANK RUSH, Acting Forest Supervisor, Cache. (3)

OREGON.

- Cascade**—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant. (6)
Crater—C. J. BUCK, Acting Forest Supervisor, Medford; S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant. (6)

- Deschutes**—A. S. IRELAND, Forest Supervisor, Prineville. (6)
Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor. (6)
Malheur—CY. J. BINGHAM, Acting Forest Supervisor, John Day. (6)
Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor. (6)
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)
Siuslaw—A. E. COHOON, Forest Supervisor, Eugene. (6)
Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner. (6)
Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor. (6)
Wallowa—HOWARD K. O'BRIEN, Forest Supervisor, Wallowa; HARVEY W. HARRIS, Deputy Forest Supervisor. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla, Wash. (6)
Whitman—HENRY IRELAND, Forest Supervisor, Sumpter. (6)

SOUTH DAKOTA.

- Black Hills**—E. M. HAMILTON, Forest Supervisor, Deadwood; A. E. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants. (2)
Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook. (1)

UTAH.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal. (4)
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George. (4)
Fillmore—LEHII PETERSON, Jr., Acting Forest Supervisor, Beaver. (4)
Fishlake—N. E. SNELL, Forest Supervisor, Salina. (4)
La Salle—JOHN RUS, Acting Forest Supervisor, Moab. (4)
Manti—A. W. JENSEN, Forest Supervisor, Ephraim. (4)
Minidoka—WM. MCCOY, Forest Supervisor, Oakley, Idaho. (4)
Nebo—WALTER F. BROUGH, Acting Forest Supervisor, Payson. (4)
Pocatello—C. G. SMITH, Acting Forest Supervisor, Pocatello, Idaho; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant, Pocatello. (4)
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante. (4)
Sevier—T. C. HOYT, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor. (4)
Uinta—R. V. R. REYNOLDS, Acting Forest Supervisor, Provo; D. S. MARSHALL, Deputy Forest Supervisor; CHAS. A. LEWIS, Forest Assistant. (4)
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City; Wasatch Planting Station—N. J. FETHEROLF and F. L. RICKY, Forest Planting Assistants, Silver Lake. (4)

WASHINGTON.

- Chelan**—GEORGE W. MILLIAM, Forest Supervisor, Chelan. (6)
Columbia—THOS. P. MACKENZIE, Acting Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant. (6)
Colville—C. C. REID, Acting Forest Supervisor, Republic. (6)
Kaniksu—R. L. FROMME, Forest Supervisor, Newport; W. N. MILLAR, Forest Assistant. (1)
Olympic—FRED HANSON, Forest Supervisor, Hoodspout. (6)
Rainier—G. F. ALLEN, Forest Supervisor, Orting; C. H. PARK, Deputy Forest Supervisor; F. B. KELLOGG, Forest Assistant. (6)
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant. (6)
Washington—C. H. FLORY, Forest Supervisor, Bellingham. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla. (6)
Wenatchee—A. H. SYLVESTER, Acting Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED. W. CLEATOR, Forest Assistant. (6)

WYOMING.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal, Utah. (4)
Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; WM. C. LATANE, Forest Assistant. (1)

Bonneville—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls, Idaho. (4)
Cheyenne—J. W. NELSON, Forest Supervisor, Saratoga; R. A. STRETCH, JOHN H. BRIDGES, and ARTHUR M. COOK, Forest Assistants. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment. (2)
Shoshone—H. W. THURSTON, Forest Supervisor, Cody; C. N. WHITNEY, Forest Assistant. (1)
Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance. (2)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony, Idaho; FOSTER STEELE, Deputy Forest Supervisor. (4)
Teton—R. E. MILLER, Forest Supervisor, Jackson. (4)
Wyoming—JOHN RAPHAEL, Acting Forest Supervisor, Afton. (4)

SERVICE CHANGES IN AUGUST.

APPOINTED.

Silviculture—

MANAGEMENT: DANIEL F. SEEREY, Forest Expert.
 EXTENSION: NORMAN H. GRUBB, Expert.

Lands—

LAW: WM. M. AIKEN, Law Examiner; GEO. E. TROWBRIDGE, Law Examiner;
 HAROLD B. JAMISON, Law Examiner; JOHN M. CATES, Law Examiner; FRED R. FAIRCHILD, Expert.

OCCUPANCY: HARRY M. BOOTH, Expert Miner; H. S. RIGGINS, Expert Miner.

RESTORED TO THE ROLLS WITH PAY.

Forester—

INSPECTION: E. T. ALLEN, Chief Inspector.

RESIGNED.

Forester—

DENDROLOGY: W. R. DUDLEY, Collaborator; W. L. BRAY, Collaborator.

CHANGE IN DESIGNATION.

Operation—

ENGINEERING: F. C. WALES, Assistant Chief Engineer.

Silviculture—

MANAGEMENT: D. T. MASON, Assistant Chief, Timber Sales.

TRANSFERRED.

Operation—

ORGANIZATION: M. B. PRATT to Boundaries.

PROMOTED.

Operation—

ORGANIZATION: G. C. SMITH from Forest Ranger to Deputy Supervisor; C. G. SMITH from Forest Assistant to Deputy Supervisor; A. L. SWITZER from Forest Ranger to Deputy Supervisor; J. D. GUTHRIE from Forest Assistant to Deputy Supervisor; W. H. GODDARD from Deputy Supervisor to Forest Supervisor; DOUGLAS RODMAN from Forest Assistant to Deputy Supervisor; C. M. GRANGER from Forest Assistant to Deputy Supervisor; DELMAR S. RICE from Forest Ranger to Deputy Supervisor; C. S. TREMEWAN from Deputy Supervisor to Forest Supervisor; C. A. BALLINGER from Deputy Supervisor to Forest Supervisor; DAVID BARNETT from Deputy Supervisor to Forest Supervisor; GILBERT D. BROWN from Forest Ranger to Deputy Supervisor.

FURLoughed.

Silviculture—

COOPERATION: BENTON MACKAYE, Forest Assistant.

Operation—

ORGANIZATION: J. A. FERGUSON, Forest Assistant.

SERVICE NOTES FOR SEPTEMBER.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

BRANCH OF SILVICULTURE.

OFFICE OF MANAGEMENT.

Destruction of Survey Marks—

The act of June 10, 1896 (29 Stat., 321), makes it unlawful for any person to cut down any witness tree or any tree blazed to mark the line of a Government survey. In a number of timber sales on the National Forests the plan of clear cutting over a part, at least, of the area is being followed. Under no circumstances, however, should a witness or line tree be cut.

Authority Necessary to make Advertised Class B Sales—

Notwithstanding the notes in the November and December Field Programs, many papers in advertised Class B sales have lately been received by the Forester which have been approved by Forest officers not authorized to make advertised Class B sales. This authority is given only to the person named in the letter and does not go with the office, so that a Forest officer who is in charge of the office during the Supervisor's absence is not authorized, under the Supervisor's letter of authorization, to publish notices of sale or approve sale applications, advance cutting applications, final agreements, or bonds, in sales of this class.

Free Use—

The attention of Forest officers is called to Regulation 25 of "The Use Book," which permits the consumption of timber granted under free use outside the State in which the National Forest is located, except from the Black Hills National Forest in South Dakota. Under the act of June 4, 1897, such timber could be used only within the State or Territory, respectively, in which the free use was granted, but the act of May 23, 1908, authorizes the Secretary of Agriculture to permit timber and other forest products to be cut or removed from the National Forest, except the Black Hills National Forest in South Dakota, to be exported from the State, Territory, or the district of Alaska in which said Forests are respectively situated. The act of May 23, 1908, is interpreted to include material granted under free use. Therefore, except on the Black Hills National Forest, Forest officers may issue permits for the free use of material for consumption outside the State in which the National Forest is located, provided no unfair conditions are imposed upon residents of the State in which the Forest is located or the general welfare of the forest is not impaired. Permits should not be given when the material is to be consumed in another State at a greater distance from the Forest than is usual within the State in which the Forest is located.

OFFICE OF SILVICS.

Establishment of Forest Experiment Station—

The first of the Forest experiment stations which are eventually to be created in each of the silvicultural regions of the West has been established during the last month on the Coconino National Forest, with headquarters near Flagstaff, Ariz. Studies of the reproduction of yellow pine will be started at once to determine the

causes of its success and failure, particularly as influenced by grazing and the method of cutting employed; experiments in seeding will be undertaken; meteorological observations as to the effect of forests upon climate will be started; an instrumental study of the light requirements of different species at different altitudes will be made; and an herbarium illustrating the flora of the region started. Other problems will be taken up as soon as possible, and eventually a complete study of the forest problems of peculiar interest to the Southwest will be made. Suggestions in regard to the work of the station will be gladly received and should be sent directly to the Forester.

Weather Bureau Records—

Since the announcement that the Forest Service is to cooperate with the Weather Bureau in the securing of meteorological data on the National Forests, a considerable number of the regular meteorological records taken by cooperative and voluntary observers of the Weather Bureau have been forwarded to the Forest Service. These are not connected with the proposed cooperative work, and should in all cases be sent directly to the Weather Bureau, from which the Forest Service can at any time obtain desired data. Supervisors are requested to see that this is done in the case of all records obtained by Forest officers.

Records of Cut-Over Areas—

The attention of the Forester has recently been called to the fact that in a number of cases the records of cut-over areas (Form 248) are not being kept up to date. These records are very important, since if carefully kept they give a complete history of the various cuttings, and will aid greatly in future timber sales in determining the best system of cutting and brush disposal to be used to secure satisfactory reproduction. Supervisors should see that such a record of cut-over areas is made whenever practicable, and that in each case a complete description of the area is included. Additional cards and further information in regard to the work may be obtained from the Forester.

BRANCH OF PRODUCTS.

OFFICE OF PUBLICATION.

Requests for Use Book to Specify Edition Desired—

In asking for copies of "The Use Book," Supervisors should state whether the administrative edition or the public edition is desired. The administrative edition is intended for the use of members of the Service only. All others who request copies should be given the public edition.

Field Programme Index—

An index to the Field Program for the fiscal year 1908 is mailed with the September issue. If this is immediately pasted just inside the back fly leaf of the June number, it can easily be found, for reference, and will not be lost or mutilated.

BRANCH OF GRAZING.

B. A. I. Inspectors to be Informed When Sheep Are to Enter—

Considerable embarrassment and loss of time has been occasioned through the failure of supervisors to inform the inspectors in charge that they had authorized certain permittees to enter the Forest 15 days before the beginning of the grazing season, which resulted in the failure of the officers of the Bureau of Animal Industry to inspect the sheep until after they had entered the Forest. In addition to furnishing the chief inspectors with a preliminary list of permittees, and the dates upon which their permits become effective, supervisors in the future will also inform them promptly of all changes which they may make in the dates upon which sheep will be allowed to enter.

BRANCH OF LANDS.

OFFICE OF LAW.

Criminal Action Begun—

Wenatchee National Forest.—Nagley et al; fire trespass.

Siskiyou National Forest.—C. W. Anderson; timber trespass.

Cleveland National Forest.—George Burnett and Earl Cormack; fire trespass.

Action Recommended—

Sundance National Forest.—R. A. Brintnall; timber trespass.

Gila National Forest.—Robert Ake; fire trespass (criminal).

OFFICE OF OCCUPANCY.

Length of Forest Homesteads—

The following construction of the act of June 11, 1906, as to the length of Forest homesteads, has been adopted:

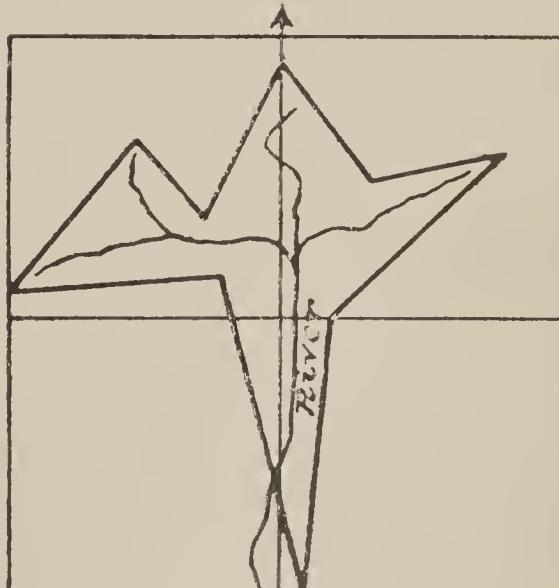
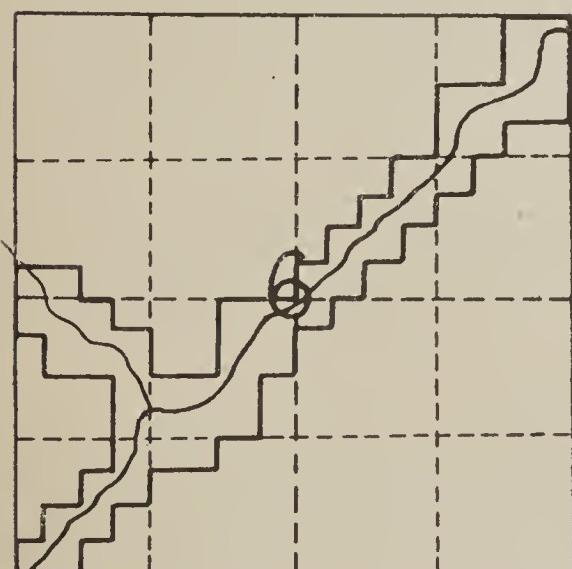
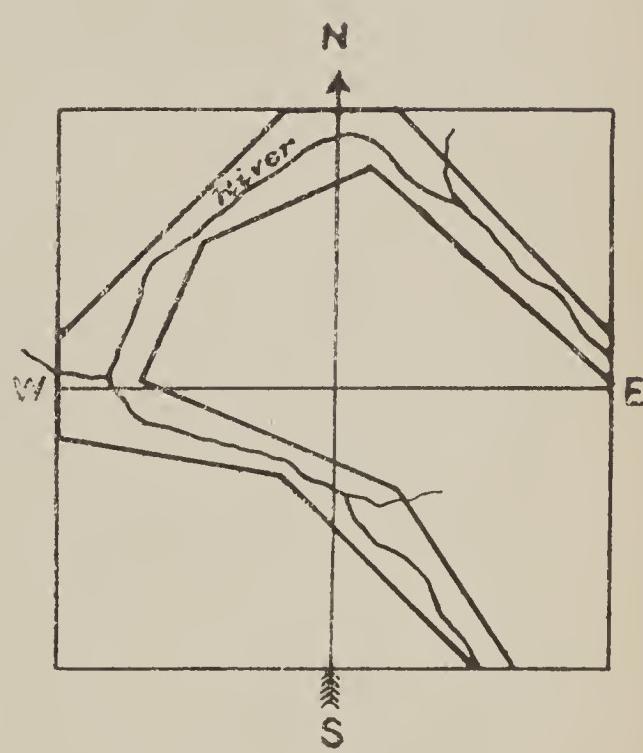
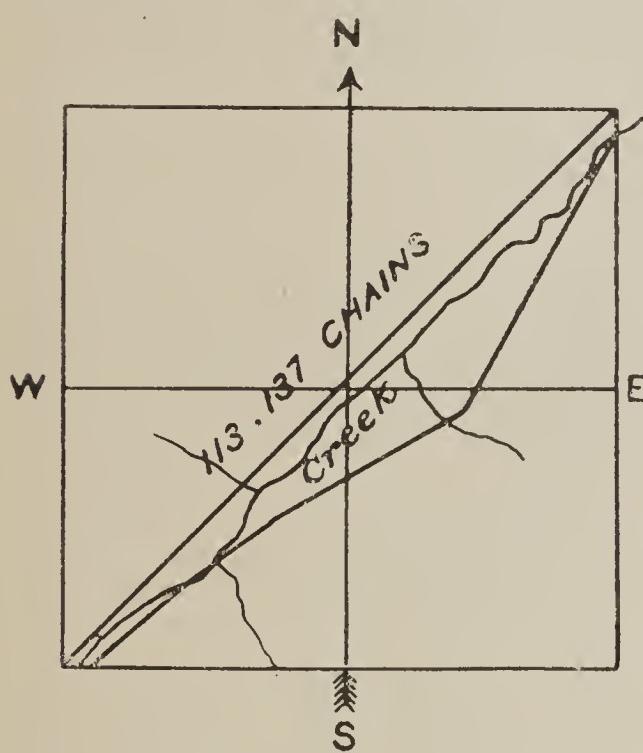


FIG. 1.—Manner in which the "mile limit" is applied to Forest homesteads.

Any tract not exceeding 160 acres in area which may be contained in a square mile, the sides of which extend in cardinal directions, is understood to be within the meaning of the law. As shown in the accompanying illustrations of tracts which might properly be recommended for listing, this makes it possible in many cases to

allow an applicant a much greater amount of strictly agricultural land lying along creeks and narrow valleys than would be possible under a narrower interpretation of the term "one mile in length." These illustrations represent sections or approximate sections. Care should be exercised, however, to deny or limit applications which may involve water monopoly.

Reference, in Correspondence, to Homestead Applicants—

The following style of caption should be used in correspondence when referring to cases arising under the act of June 11, 1906:

John Jones, Homestead Applicant No. 1, Chelan.

This supersedes the instructions on page 210 of "The Use Book," contained in the paragraph headed "Under Settlement."

Charges for Permits for Commercial Power Plants—

The legality of the charges made by the Forest Service for the use of National Forest lands for commercial power plants, consisting of reservoirs, conduits, power-house sites, etc., was recognized by the United States Circuit Court for the District of Colorado in the case of The Standard Trust Company of New York, Complainants, versus the Animas Power and Water Company, and Chas. S. McBride as Trustee, Defendants. The following is an extract of an order issued by the court on August 3, 1908:

ORDER RELATIVE TO EXECUTION OF SPECIAL-USE AGREEMENT WITH THE UNITED STATES FOREST SERVICE AND FOR THE MAKING OF PAYMENTS REQUIRED THEREBY.

This matter coming on to be heard this day upon the petition of JOHN A. CLAY and JAMES D. MORTIMER, as Receivers herein, for an order of court with respect to the execution and delivery to the Forest Service of the United States of certain Special-Use Agreements covering privileges in the Montezuma National Forest in the State of Colorado, and the making of certain payments required thereby, and the court being fully advised in the premises, it is ordered:

(1) That the said Receivers be, and they hereby are, authorized and directed to execute and deliver to the United States Forest Service, in duplicate, on or before August 15th, 1908, that certain Special-Use Agreement prepared by such Forest Service and covering the constructed portions of the dams, reservoirs, conduits, and transmission lines of the Animas Power and Water Company, located upon the said Montezuma National Forest in the State of Colorado;

(2) That the said Receivers be, and they hereby are, authorized and directed to pay to the fiscal agent of the United States Forest Service at Washington, D. C., on or before August 15th, 1908, the sums of money by them required to be paid under the terms and conditions of the aforesaid Special-Use Agreement, to wit: The sum of \$277.25 for the use of the transmission line rights of way covered by said Agreement, from March 2nd, 1907, to March 2nd, 1909, and the further sum of \$824.86 for timber cut or destroyed, the total amount of such payments to be made being \$1,102.11. And upon the making of such payments the Receivers shall be entitled to credit themselves with the amount thereof.

* * * * *

Done in Open Court this 3rd day of August, A. D. 1908.

By the Court:

ROBT. E. LEWIS, *Judge.*

Administrative Sites, Notice of Withdrawal—

United States property notices will no longer be posted on lands withdrawn for administrative sites as notice of their withdrawal. For this purpose the following form of notice, a supply of which will be furnished all supervisors before October 1, will be used instead of United States property notices:

NOTICE.

ADMINISTRATIVE SITE.

This tract was withdrawn on —, 19—, for the administrative use of the Forest Service and is not subject to location, settlement, or entry under any of the public land laws. The withdrawal does not affect any valid claim initiated prior to the above date.

JAMES WILSON, *Secretary of Agriculture.*

The notices should be well distributed over each site to indicate its boundaries as nearly as practicable.

Property notices will still be used to give notice of seizure and to protect Government property, such as cabins, etc.

Act of June 11, 1906, Reports—

There remains unacted upon a large number of forest homestead applications submitted prior to January 1, 1908. Every effort should be made to make early report upon all such cases, as well as upon all applications submitted in the first half of the present year. It is desired that all supervisors submit, at the close of the present field season, and not later than November 1 in any case, a list of the cases which can not be disposed of until 1909, together with reasons.

OFFICE OF GEOGRAPHY.**New Wall Map of National Forests—**

A reissue of the large wall map showing the National Forests as redistricted July 1, 1908, and in addition data and projects related to the Forests, will be ready for distribution to Forest officers about September 15.

BRANCH OF OPERATION.**OFFICE OF ORGANIZATION.****Reports on Fire Trespass—**

Reports on fire trespass should include all estimates of the damage done to pasture, reproduction, and forest cover, as well as the value of the timber which is destroyed; and also the cost incurred by the Forest Service in extinguishing the fire, including the salaries of Forest officers.

The trespasser should be called upon to submit a proposition of settlement covering the total cost of extinguishing the fire and all items of damage specified above.

Full Names of Prospective Appointees—

Recommendations for the appointment of Forest guards and rangers should give the full names, and not abbreviations and nicknames, such as Dave, Willie, Pete, Mat., etc.

Filing of Certificates of Loss or Damage of Property—

The instructions contained in The Use Book for 1908, page 205, lines 2 and 3, are hereby amended by striking out the words "certificates of loss or destruction of property." Certificates of loss or damage of property should be filed in drawers 5 and 6 of section 4, with requisitions, invoices, and receipts, as noted on page 207.

Disposition of Typewriting Machines—

Typewriting machines which have been sent to supervisors upon their special requisitions for rangers' equipment, or machines which they have in their offices which are not being used, should be distributed to rangers who have the most clerical work and who can use them to the best advantage.

Journal Balance to be Entered on Form 99—

Many Forms 99 are received in the Washington office which do not indicate the journal balance after the amount of the accompanying voucher has been deducted. It is essential that this information be furnished in order that a proper check may be kept upon the expenditures on the respective Forests, and in order that any differences between the records in the supervisor's office and those in the Office of Accounts at Washington may be quickly detected and corrected. Hereafter the journal balance should be given without fail on Form 99 in submitting accounts for settlement.

Limit for Temporary Clerks—

Supervisors must not employ temporary clerks for a period of more than 30 days, without first having had their temporary appointment as clerks in the Forest Service approved by the Forester. There is no provision whereby clerks can be paid for a period in excess of 30 days unless they have been regularly appointed temporary clerks.

Reimbursement for Board Furnished by Rangers—

It is the policy of the Service to allow the men on special detail reimbursement at reasonable rates for meals furnished by rangers, but it is not expected that rangers will charge for lodging at the regular ranger stations.

OFFICE OF ENGINEERING.**Form 99 to Show Projects on which Improvement Fund is Expended—**

The attention of supervisors is called to the instructions on the back of revised Form 99. No accounts involving expenditures from the improvement fund will be passed for payment unless the lower portion of the face of the form is filled out, showing on what project the money has been expended. In each case supervisors should give the name of the project as authorized. Expenditures should not be charged against Ranger Stations, since they represent merely the land on which the projects are located.

Form 283 to be Sent to Ogden—

Form 283, showing progress of work on the various improvement projects, should invariably be sent to the Office of Engineering at Ogden, Utah, and not to the Washington office. Attention is called to "OE" circular letter of July 3.

Correction in Standard Plan No. 7, Bill of Material—

A typographical error occurred in the bill of material accompanying standard plan No. 7. The number of shingles required should be 11,000, instead of 1,100.

Wire Obtained on Requisition—

A number of supervisors have purchased barbed wire locally. Attention is called to paragraph 26 of the Fiscal Regulations and to "OE" circular letters of June 29 and July 15, which state that this material and also telephone wire, insulators, and brackets will be furnished on annual contract during the present fiscal year; and that shipments will be ordered by the Office of Engineering at Ogden on receipt of requisitions. All wire must be obtained in this manner. Two-strand twisted barbless wire may be obtained in lieu of the regular barbed wire, if desired by the supervisors.

Information Regarding Power Plants—

The attention of supervisors is called to "OE" circular letter of July 21 requesting information regarding power projects on their Forests. It is necessary that replies be received from each supervisor on or before September 21.

OFFICE OF ACCOUNTS.

Use of Vouchers—

Temporary Special Disbursing Agents in the field are cautioned as to the proper form of voucher to be used in paying for services.

Form A is to be used for "Services other than personal" only; that is, for the hire of team, hauling supplies, etc.

Form 2 pay roll is for personal services only, and the pay of all employees paid by Special Disbursing Agents should be entered upon this pay roll and not on Form A.

Expenses of Land Examinations—

In accordance with circular letter OO, August 1, 1908, to Forest supervisors, all items of expense in connection with the examination of Agricultural Lands under the act of June 11 and in the survey of Ranger Stations will be charged against "Land Examinations" on Form 99 and in the Journal of Expenses of the Forest.

Salaries of the regular force should be entered on Form 99, in Column A, and other expenses in Column B. This changes the instructions on the back of Form 99 with regard to salaries of the regular force. These salaries will now be charged against this caption whether or not the salary allotment has been increased from the Lands contingent.

Transportation Requests for Fire Fighters—

Transportation requests used by supervisors in transporting laborers engaged in fire fighting should be charged against "Fire" in the Journal of Expenses of the Forest. To insure proper record in the Office of Accounts, each request used in this way should have written in the lower left-hand margin the words "Fire Fighting." The Form 99 on which the requests are reported should also indicate, by a note at the bottom, the amount charged against fire.

OFFICE OF MAINTENANCE.

Purchase of Photographic Materials in the Field—

It has been decided to extend to members of the Forest Service in the field the privilege of buying photographic films and plates and of having them developed and prints made in the field in cases of actual emergency only. Such expenditures will be limited to materials needed for the purpose of illustrating reports upon which immediate action is required. In all cases the negatives will be sent to the Forester for the files of the Photographer, with an explanation of the necessity for the purchase.

Disposition of Unserviceable Nonexpendable Articles—

Nonexpendable articles which are broken, worn out, or damaged, are continually being received by the property clerks at Washington and Ogden. This is not in accordance with section 156 of the Green Book, which provides that such articles should not be reported to the Forester at the time of breakage or wear, but should be retained until they can be examined by an inspector, who will then authorize their sale or destruction.

It is entirely permissible, however, to return to the property clerks serviceable articles which are merely out of repair, or of those which are no longer needed. These articles should be sent in by the supervisor or the acting supervisor, and not by rangers or guards to whom they have been temporarily issued. In every case a signed memorandum giving full information should be inclosed in the package containing the article, and the property clerk should be informed by mail of its shipment.

SERVICE ORDER 20.

AUGUST 13, 1908.

Wild Hay.

Regulation 72 of the Use Book, as amended by the Secretary of Agriculture August 8, reads as follows:

REG. 72.—Wild grass upon National Forests may be cut for hay under permits issued by supervisors or such other Forest officers as the supervisor may designate. A charge will be made of not less than twenty (20) cents per acre. Application, either orally or in writing, should be made to the supervisor or officer authorized to issue the permits, stating the area of the tract desired and the price offered.

This amendment allows Forest supervisors to delegate the authority to make hay sales to the rangers on their forests who are qualified to handle this class of work and who require such authority to facilitate the sale of the surplus forage crops. Owing to the perishable nature of the wild grasses cut for hay and to the fact that the season for making hay sales is now at hand, it is desirable that supervisors immediately delegate the proper authority in all cases where it is needed.

OVERTON W. PRICE, Associate Forester.

SERVICE ORDER 21.

AUGUST 20, 1908.

Amendment of Regulation 49.

Attention is called to the amendment of Regulation 49, page 118 of the Use Book, by the Secretary of Agriculture. The regulation, as amended and approved August 5, 1908, reads as follows:

REG. 49.—The grazing upon or driving across any National Forest of any live stock without a permit, except saddle, milch, or work animals exempted from permit by the preceding regulation, is prohibited.

The only change is the omission of the concluding words “under penalty imposed by the act of June 4, 1897 (30 Stat., 11)”. This amendment is a matter of form, and does not affect the meaning or force of the regulation. The penalty for the breach of any regulation is expressly fixed by the statute (Use Book, page 2), and it is unnecessary to cite the statute in this regulation.

OVERTON W. PRICE, Associate Forester.

United States Department of Agriculture,
FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR OCTOBER, 1908.

This program of field work and assignments in the Forest Service is issued monthly, and is for the exclusive use of members of the Forest Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate. Information concerning errors or omissions and changes of project or of address for the following month should be sent by members to the offices of their respective chiefs not later than the 20th of the month.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.
OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

HERBERT A. SMITH, Editor.
GEORGE B. SUDWORTH, Dendrologist.
EUGENE S. BRUCE, Expert Lumberman.

Compilation of data for National Conservation Commission—W. T. COX and R. S. KELLOGG, Assistant Foresters.

INSPECTION.

FORESTER AND ASSOCIATE FORESTER.

Inspection District 1.—Montana, northeastern Washington, northern Idaho, northern Wyoming, and northwestern South Dakota.

E. A. SHERMAN, Chief Inspector, Missoula, Mont.

Inspectors: R. Y. STUART, Missoula, Mont.; F. A. SILCOX and P. G. REDINGTON, Washington, D. C.

Inspection District 2.—Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, western Kansas, and southeastern Utah.

SMITH RILEY, Chief Inspector, Denver, Colo.

Inspectors: R. P. IMES, T. D. WOODBURY, and F. W. MORRELL, Washington, D. C.; S. L. MOORE, Denver, Colo.

Inspection District 3.—Arizona, Arkansas, New Mexico, and Oklahoma.

D. D. BRONSON, Chief Inspector, Albuquerque, N. Mex.

Inspectors: W. R. MATTOON, Albuquerque, N. Mex.; T. S. WOOLSEY, Jr., and A. O. WAHA, Washington, D. C.

Inspection District 4.—Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

F. W. REED, Acting Chief Inspector, Salt Lake City, Utah.

Inspectors: J. M. FETHEROLF, Salt Lake City, Utah.; L. L. WHITE, Washington, D. C.

Inspection District 5.—California and southwestern Nevada.

F. E. OLMS TED, Chief Inspector, San Francisco, Cal.

Inspectors: Wm. C. HODGE, Jr., and G. W. PEAVY, San Francisco, Cal.; COERT DU BOIS, and J. H. HATTON, Washington, D. C.

Inspection District 6.—Washington, Oregon, a small part of northern California, and Alaska.

E. T. ALLEN, Chief Inspector, Portland, Oreg.

Inspectors: W. H. B. KENT and M. L. ERICKSON, Portland, Oreg.; F. E. AMES, Washington, D. C.

E. M. GRIFFITH, *Special Inspector*, for Indian Reservations in Wisconsin, Madison, Wis.

BRANCH OF SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

OFFICE OF FOREST MANAGEMENT.

E. H. CLAPP, Chief.

W. B. GREELEY, Chief.

Timber Sales, G. M. HOMANS.

D. T. MASON.

TIMBER SALE CORRESPONDENCE.

District 1—R. H. RUTLEDGE and R. L. FROMME.

District 2—E. WILLIAMS.

District 3—M. N. STICKNEY.

District 4—O. M. BUTLER and J. C. ELLIOT.

District 5—C. E. RATCHFORD.

District 6—C. S. JUDD and ATHOL A. WYNNE.

Trespass—G. W. HOLLAND.

TEMPORARY ASSIGNMENTS.

(Under the Direction of Supervisors.)

Forest Assistants.

C. E. DUNSTON, Pocatello, Idaho.

J. F. PRESTON, Great Falls, Mont.

J. D. WARNER, Libby, Mont.

R. W. ALLEN, Encampment, Wyo.

Lumbermen.

J. S. BAIRD, Cass Lake, Minn.

GEO. P. GREGG, Provo, Utah.

J. P. HUGHES, Nevada City, Cal.

A. J. NORTON, Anaconda, Mont.

W. R. MCKINNON, Cass Lake, Minn.

Reconnaissance, A. B. RECKNAGEL (in the Field).

P. T. HARRIS, Acting.

PROJECTS.**Arizona—**

Estimate and working plan for Coconino National Forest—J. H. ALLISON, Flagstaff; assistants, MAX ROTKUGEL, JOHN LAFON, Jr., H. G. CALKINS, and H. HAEFNER.

Colorado—

Working plan for Pike, Leadville, and Holy Cross National Forests—J. A. FITZWATER, Denver; assistants, D. W. ADAMS, P. T. COOLIDGE, J. HIGGINS, J. E. MARTIN, and R. A. STRETCH.

Idaho—

Working plan for Sawtooth National Forest—C. P. WILBER, Hailey.

Utah—

Working plan for Cache National Forest—G. P. BARD, Logan.

OFFICE OF COOPERATION.

A. K. CHITTENDEN, Chief.

W. G. WEIGLE, Assistant Chief (in the Field).

Federal Cooperation, A. K. CHITTENDEN.

Correspondence, HARRY IRION.

PROJECTS.**California—**

Preparation of a report on the Hoopa Valley Indian Reservation, in cooperation with the Indian Service—I. F. ELDREDGE, Washington, D. C.

Michigan and Wisconsin—

Timber work on Indian reservations.—E. A. BRANIFF, Neopit, Wis.; assistants, J. A. HOWARTH, W. E. LA FOUNTAIN, MARK BURNS, W. S. UHLER, and D. M. LANG.

Minnesota—

Examination of fire-killed timber on Red Lake Indian Reservation—G. L. COTT, Red Lake.

Montana—

Examination of blown-down timber in North Cheyenne Indian Reservation—S. M. CROSS, Ashland.

New Mexico—

Supervision of cutting, Fort Wingate Military Reservation, in cooperation with the War Department—NELSON LE GRAND, Guam.

State and Private Cooperation,

K. W. WOODWARD (in the Field).

PROJECTS.**Alabama—**

Timberland examinations—Prof. R. S. MACKINTOSH, Auburn.

Cooperation with forest landowners—A. B. RECKNAGEL, Tuscaloosa.

Illinois—

Study of forest conditions, in cooperation with State Laboratory of National History—WESLEY BRADFIELD, Vandalia.

Kentucky—

Study of forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—J. S. HOLMES, E. D. CLARK, R. C. HALL, W. B. WILLEY, and G. T. BACKUS, Madisonville.

Montana—

Study of forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD and E. D. FLETCHER, Missoula; W. B. PIPER and N. C. BROWN, Bozeman; J. BENTLEY, Jr., and J. ST. J. BENEDICT, Ovando; L. S. MURPHY and RUTLEDGE PARKER, Thompson Falls.

New Hampshire—

Preparation of a report on forest taxation, in cooperation with the New Hampshire Forestry Commission—J. H. FOSTER, Washington, D. C.

Wisconsin—

Preparation of a report on Chicago and Northwestern Railway timberland—A. B. PATTERSON, Washington, D. C.

OFFICE OF SILVICS.

RAPHAEL ZON, Chief (in the Field).

S. T. DANA, Acting Chief.

Field Studies, S. T. DANA.

PROJECTS.**Colorado—**

Study of insect-infested timber in Colorado National Forests, in cooperation with the Bureau of Entomology (Forest Insect Investigations, A. D. Hopkins, in charge)—W. D. EDMONSTON, Colorado Springs.

Study of marking on National Forest timber sales, and establishment of permanent sample plots—E. R. HODSON, Monte Vista, and E. H. FROTHINGHAM, Denver.

Central States—

Study of the ashes—W. T. STONE, Washington, D. C.

Middle West—

Study of windbreaks and their influences—C. G. BATES, in charge, C. R. TILLOTSON (in cooperation with the Nebraska Experiment Station), T. R. COOPER, G. R. MORRISON, Box 1157, Lincoln, Nebr.; F. J. PHILLIPS, Station A, Lincoln, Nebr.

Northwest—

Study of the encroachment of lodgepole pine on western yellow pine on the east slope of the Cascade Range—T. T. MUNGER, Crescent, Oreg.

Southwest—

Study of the reproduction of western yellow pine, and establishment of a forest experiment station on the Coconino National Forest—G. A. PEARSON, Flagstaff, Ariz.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

OFFICE OF EXTENSION.

SAMUEL N. SPRING, Chief.

Planting, L. C. MILLER.

J. F. KÜMMEL.

Planting Correspondence—L. CROWELL, Washington, D. C.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

California—

Examination and selection of areas for planting, Cleveland National Forest—E. C. CLIFFORD, San Diego.

Idaho—

Seed collecting, Boise National Forest—G. B. MACDONALD, Boise.

Colorado—

Seed collecting, Uncompahgre National Forest—R. G. PIERCE, Delta; Medicine Bow National Forest—C. R. TAYLOR, Fort Collins.

Reconnaissance, W. H. von BAYER.

PROJECTS.

Preparation of reports on forest planting in Kansas—W. M. MOORE, Washington, D. C.

Preparation of report on study of forest planting in New York—C. A. KUPFER, Washington, D. C.

Cooperation, A. S. PECK.

Correspondence.—Advice on private forest planting—E. O. SIECKE.

PROJECTS.

Kansas—

Study of plantations established as the result of advice given by the Forest Service—A. E. OMAN, Hutchinson.

Pennsylvania and West Virginia—

Preparation of planting plans for private landowners—R. L. ROGERS, Wheeling, W. Va.

BRANCH OF GRAZING.

A. F. POTTER, Assistant Forester (in the Field).
L. F. KNEIPP, in Charge.

OFFICE OF CONTROL.

L. F. KNEIPP, Chief.

Allotment, WILL C. BARNES (in the Field).
Adjustment, E. N. KAVANAGH (in the Field).
Protection, W. S. PERRINE (in the Field).
Permits, Miss ANNA P. KOSCHWITZ.

OFFICE OF DEVELOPMENT.

W. C. CLOS, Acting Chief.

Fences, C. H. ADAMS (in the Field).
Forage, W. C. Clos.
Water, J. K. CAMPBELL (in the Field).

PROJECTS.

Forage investigations—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Wallowa, Oreg.; Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Expert, both at Wallowa, Oreg.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Hugo, Colo.; IVAR TIDESTROM, Scientific Assistant, Ephraim, Utah.

Extermination of prairie dogs—H. L. BENHAM, Forest Guard, in charge, Denver, Colo.

BRANCH OF PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.
R. S. KELLOGG, Assistant Forester.

OFFICE OF WOOD UTILIZATION.

McGARVEY CLINE, Chief.
H. S. BETTS, Assistant Chief (in the Field).

PROJECTS.

Turpentining Studies—

Chipping experiments—P. D. EDMUNDS, Green Cove Springs, Fla.
 Statistics on production—J. O. LA FONTISEE, Jacksonville, Fla.; assistants, J. P. MOODY and J. E. BERTZ.
 Effects of different methods of turpentining—A. L. BROWER, Jacksonville, Fla.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, Washington, D. C.
 Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, L. F. HAWLEY, Acting.

PROJECTS.

Study of commercial processes of wood distillation and the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, Boston, Mass.

Experiments to determine the value of various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of chemical problems in wood utilization and wood preservatives—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

National Forest Studies.

Districts 1 and 6, J. B. KNAPP, in charge.

Study of wood-using industries and markets for forest products—J. B. KNAPP, Seattle, Wash.; assistant, F. I. ROCKWELL.

Washington—

Tests of western hemlock and National Forest woods, in cooperation with the University of Washington and the Pacific Coast Lumber Manufacturers' Association—O. P. M. GOSS, University Station, Seattle; assistant, P. S. BUHL.

Districts 2 and 3, C. L. HILL, in charge.

Study of wood-using industries and markets for forest products—C. L. HILL, Boulder, Colo.; assistant, H. B. HOLROYD.

Colorado—

Establishment of timber-testing laboratory, in cooperation with the University of Colorado—A. L. HEIM, Boulder.

Districts 4 and 5, L. E. HUNT, in charge.

Study of wood-using industries and markets for forest products—L. E. HUNT, Berkeley, Cal.; assistant, J. V. WULFF.

California—

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Wood Uses, ROLF THELEN, Acting.

PROJECTS.

Connecticut—

Timber tests, with special reference to the influence of method of drying on the strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Indiana—

Tests of structural timbers and a number of species of hickory, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, Wm. D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, Chicago, Ill.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, Washington, D. C.

Timber-test files—T. W. VENEMANN, Washington, D. C.

OFFICE OF WOOD PRESERVATION.

W. F. SHERFESEE, Chief (in the Field).

H. E. WEISS, Acting Chief (until Oct. 15).

PROJECT.

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

National Forest Timbers, WALTER R. WHEATON.**PROJECTS.****Colorado—**

Experimental operation of a wood-preserving plant for National Forest timbers—PAUL M. CAINE, Norrie.

South Dakota—

Experimental operation of a wood-preserving plant for National Forest timbers—GEORGE R. OGIER, Deadwood.

Farm Timbers, C. STOWELL SMITH.**PROJECTS.****Iowa—**

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—Prof. C. A. SCOTT, Ames.

Minnesota—

Preservative treatment of fence posts and other farm timbers, in cooperation with the University of Minnesota—C. P. WILLIS, St. Anthony Park (after October 15).

New York—

Preservative treatment of greenhouse timbers, in cooperation with S. Jacobs & Sons, Brooklyn—C. P. WILLIS, Brooklyn (until October 15).

Railroad and Mine Timbers, JOHN M. NELSON, Jr.**PROJECTS.****Alabama—**

Construction and experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

California—

Experiments in seasoning and treating telephone poles, in cooperation with electric companies in southern California—O. T. SWAN, Hotel Westmoore, Los Angeles.

Idaho—

Experimental treatment of mine timbers, in cooperation with the Bunker Hill and Sullivan Mining and Concentrating Company and the Hercules Mining Company—P. R. HICKS, care S. A. Easton, Kellogg.

Louisiana—

Construction and operation of a plant for the treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—CHARLES T. BARNUM, Winnfield; assistant, C. S. FRARY.

Experiments to devise a system for treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Pennsylvania—

Experimental operation of a commercial open-tank wood-preserving plant, in co-operation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant, detailed by the company, L. W. CONRAD, Pottsville, Pa.

Experimental operation of a commercial open-tank wood-preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—JOHN M. NELSON, Jr.; assistant, C. P. WINSLOW, Hotel Sterling, Wilkesbarre, Pa.

Research, HOWARD F. WEISS.

PROJECT.**General Studies—**

Supervision of the construction of an experimental laboratory—H. F. WEISS Washington, D. C.

OFFICE OF PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Distribution, QUINCY R. CRAFT.

Education, DON CARLOS ELLIS, Acting.

PUBLICATIONS IN SEPTEMBER.

Circular 135. Chestnut Oak in the Southern Appalachians.

Circular 152. The Analysis of Turpentine by Fractional Distillation with Steam.

Circular 153. Exports and Imports of Forest Products: 1907.

BRANCH OF LANDS.

P. P. WELLS, In Charge.

A. C. RINGLAND, Assistant Forester.

A. C. SHAW, Principal Examiner.

OFFICE OF LAW.

A. C. SHAW, Chief.

OFFICE OF OCCUPANCY.

M. J. McVEAN, Chief.

H. O. STABLER, Assistant Chief.

Boundaries, S. G. SMITH.

Claims, F. L. HARVEY.

Settlement, C. E. GAGE.

Special Uses, C. H. SQUIRE.

OFFICE OF GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.

Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLB.

Photography, A. G. VARELA.

BRANCH OF OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.
CHAS. S. CHAPMAN, Assistant Forester.
GEO. G. ANDERSON, Assistant in Office Methods.

OFFICE OF ACCOUNTS.

H. B. CRAMER, Fiscal Agent and Chief.
E. A. MELZAR, Assistant Chief.

Audit, **GEORGE E. KING**.
Bookkeeping, **O. H. TIBBOTT**.

Receipt, **Miss MARY R. LATIMER**.
Appointment, **Miss F. D. STRAUSE**.

OFFICE OF MAINTENANCE.

R. K. HELPHENSTINE, Jr., Chief.

Purchase, **H. C. TOWERS**.
Record, **R. K. HELPHENSTINE, Jr.**

Supplies, **FELIX T. MOORE**.
Property Audit, **J. G. FALCK**.

Supply Depot, Ogden, Utah, **A. M. SMITH**.

OFFICE OF ENGINEERING.

W. E. HERRING, Chief.
F. C. WALES, Assistant Chief.

Field Headquarters, Ogden, Utah.

R. E. MESNARD, Acting Chief.

OFFICE OF ORGANIZATION.

CLYDE LEAVITT, Chief.
GEO. H. CECIL, Assistant Chief.

R. H. RUTLEDGE, Forest Supervisor, District 1.
A. O. WAHA, Inspector, District 2.
H. N. WHEELER, Forest Supervisor, District 3.
C. E. RACHFORD, Forest Supervisor, District 4.
C. J. BUCK, Forest Supervisor, District 5.
W. W. CRYDER, Forest Supervisor, District 6.

NATIONAL FORESTS.

ALASKA.

Chugach—**W. A. LANGILLE**, Forest Supervisor, Ketchikan; **HOWARD M. CONRAD**,

Deputy Forest Supervisor; **LAGE WERNSTEDT**, Forest Assistant. (6)

Tongass—**W. A. LANGILLE**, Forest Supervisor, Ketchikan; **HOWARD M. CONRAD**,

Deputy Forest Supervisor; **LAGE WERNSTEDT**, Forest Assistant. (6)

ARIZONA.

Apache—**DRAYTON C. MARTIN**, Forest Supervisor, Springerville. (3)

Chiricahua—**A. H. ZACHAU**, Acting Forest Supervisor, Douglas; **H. D. BURRALL**,

Forest Assistant. (3)

Coconino—**F. C. W. POOLER**, Forest Supervisor, Flagstaff; **W. H. KOBBÉ** and

W. M. DRAKE, Forest Assistants. (3)

Coronado—**ROBERT J. SELKIRK**, Forest Supervisor, Benson. (3)

Crook—**T. T. SWIFT**, Forest Supervisor, Safford. (3)

Dixie—**C. I. HUDDLE**, Acting Forest Supervisor, St. George, Utah. (4)

Garces—**Roscoe G. WILLSON**, Forest Supervisor, Nogales. (3)

Kaibab—**J. H. CLARK**, Acting Forest Supervisor, Kanab, Utah; **DANIEL K. JUDD**,

Deputy Forest Supervisor. (4)

- Prescott**—C. H. HINDERER, Forest Supervisor, Prescott; J. D. GUTURIE, Deputy Forest Supervisor. (3)
Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake. (3)
Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor. (3)

ARKANSAS.

- Arkansas**—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant. (3)
Ozark—DAVID E. FITTON, Forest Supervisor, Harrison; W. F. HILL, Deputy Forest Supervisor. (3)

CALIFORNIA.

- Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles; Lytle Creek Planting Station, SEROPE Y. PARNAY and H. C. MUZZALL, Forest Planting Assistants, San Bernardino. (5)
California—ERNEST BRITTEN, Forest Supervisor, Willows. (5)
Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor. (5)
Crater—S. S. SWENNING, Acting Forest Supervisor, Medford, Oreg.; H. D. FOSTER, Forest Assistant. (6)
Inyo—A. H. HOGUE, Forest Supervisor, Bishop. (5)
Klamath—R. L. P. BIGELOW, Forest Supervisor, Yreka; F. W. HARLEY, Deputy Forest Supervisor; R. G. POND, Forest Assistant. (5)
Lassen—L. A. H. KLING, Acting Forest Supervisor, Red Bluff; J. C. LAPLANT, Deputy Forest Supervisor. (5)
Modoc—V. L. BONNER, Acting Forest Supervisor, Alturas. (5)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville, Nev. (5)
Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas. (5)
Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Supervisor; J. R. HALL, Forest Assistant. (5)
San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo. (5)
Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor. (5)
Sequoia—W. C. BURTON, Acting Forest Supervisor, Hot Springs; W. M. MAULE, Forest Assistant. (5)
Shasta—W. B. RIDER, Forest Supervisor, Sisson; R. F. HAMMATT, Deputy Forest Supervisor. (5)
Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant. (5)
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass, Oreg.; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)
Stanislaus—R. W. AYRES, Acting Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant. (5)
Tahoe—MADISON B. ELLIOTT, Forest Supervisor, Nevada City. (5)
Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor. (5)

COLORADO.

- Arapaho**—C. J. STAHL, Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor; SWIFT BERRY, Forest Assistant. (2)
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor. (2)
Cochetopa—J. M. CUENIN, Acting Forest Supervisor, Saguache. (2)
Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment, Wyoming. (2)
Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant. (2)
La Salle—JOHN RIIS, Acting Forest Supervisor, Moab, Utah. (2)
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta. (2)
Leadville—A. L. STROUP, Forest Supervisor, Leadville; J. F. BRUINS, Deputy Forest Supervisor; JAMES E. MARTIN, Forest Assistant. (2)
Medicine Bow—C. M. GRANGER, Acting Forest Supervisor, Fort Collins. (2)
Montezuma—RESS PHILLIPS, Acting Forest Supervisor, Mancos. (2)

- Pike**—C. W. FITZGERALD, Acting Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument. (2)
- Rio Grande**—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant. (2)
- Routt**—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs. (2)
- San Isabel**—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe. (2)
- San Juan**—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant. (2)
- Uncompahgre**—H. K. PORTER, Forest Supervisor, Delta; H. L. SPENCER, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant. (2)
- White River**—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant. (2)

IDAHO.

- Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon, Mont.; R. J. MOORE, Deputy Forest Supervisor. (1)
- Boise**—E. GRANDJEAN, Forest Supervisor, Boise; O. M. BUTLER, Deputy Forest Supervisor. (4)
- Cache**—W. W. CLARK, Forest Supervisor, Logan, Utah; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
- Caribou**—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls. (4)
- Challis**—DAVID LAING, Acting Forest Supervisor, Challis. (4)
- Clearwater**—F. A. FENN, Forest Supervisor, Kooskia. (1)
- Coeur d'Alene**—DORR SKEELS, Acting Forest Supervisor, Wallace. (1)
- Idaho**—HENRY A. BERGH, Acting Forest Supervisor, Meadows. (4)
- Kaniksu**—W. N. MILLAR, Acting Forest Supervisor, Newport, Wash. (1)
- Lemhi**—JOHN W. HAYS, Jr., Acting Forest Supervisor, Mackay. (4)
- Minidoka**—Wm. MCCOY, Forest Supervisor, Oakley. (4)
- Nezperce**—GEO. V. RING, Acting Forest Supervisor, Grangeville. (1)
- Payette**—GUY B. MAINS, Forest Supervisor, Emmett. (4)
- Pend Oreille**—J. E. BARTON, Acting Forest Supervisor, Sandpoint. (1)
- Pocatello**—CLINTON G. SMITH, Acting Forest Supervisor, Pocatello; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant. (4)
- Salmon**—GEO. G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor. (4)
- Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor. (4)
- Targhee**—HOMER E. FENN, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor. (4)
- Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor; WALTER A. HOPSON, Forest Assistant. (4)

KANSAS.

- Kansas**—B. R. H. d'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant. (2)

MINNESOTA.

- Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake. (2)

MONTANA.

- Absaroka**—V. GIFFORD LANTRY, Acting Forest Supervisor, Livingston. (1)
- Beartooth**—E. C. RUSSELL, Forest Supervisor, Red Lodge. (1)
- Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor. (1)
- Bitterroot**—W. W. WHITE, Forest Supervisor, Missoula. (1)
- Blackfeet**—F. N. HAINES, Forest Supervisor, Kalispell; C. A. WHITNEY, Forest Assistant. (1)
- Cabinet**—ROY HEADLEY, Forest Supervisor, Thompson Falls. (1)
- Custer**—H. D. COOK, Acting Forest Supervisor, Ashland. (1)
- Deerlodge**—C. C. HALL, Forest Supervisor, Anaconda; P. S. LOVEJOY, Deputy Forest Supervisor. (1)
- Flathead**—PAGE S. BUNKER, Forest Supervisor, Kalispell. (1)
- Gallatin**—D. T. CONKLING, Forest Supervisor, Bozeman. (1)

- Helena**—DWIGHT BUSHNELL, Forest Supervisor, Helena. (1)
Jefferson—R. W. STUART, Forest Supervisor, Great Falls. (1)
Kootenai—C. E. SCHOONOVER, Acting Forest Supervisor, Libby. (1)
Lewis & Clark—W. H. DAUGS, Acting Forest Supervisor, Chouteau. (1)
Lolo—ELERS KOCH, Forest Supervisor, Missoula. (1)
Madison—J. B. SEELY, Forest Supervisor, Sheridan. (1)
Missoula—D. G. KINNEY, Forest Supervisor, Missoula; HERBERT GRAFF, Forest Assistant. (1)
Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (1)

NEBRASKA.

- Nebraska**—W. H. MAST, Acting Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants. (2)

NEVADA.

- Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko. (4)
Inyo—A. H. HOGUE, Forest Supervisor, Bishop, Cal. (5)
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas. (4)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville. (5)
Tahoe—MADISON B. ELLIOTT, Forest Supervisor, Nevada City, Cal. (5)
Toiyabe—DAVID BARNETT, Forest Supervisor, Austin. (4)

NEW MEXICO.

- Alamo**—ARTHUR M. NEAL, Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant. (3)
Carson—Ross McMillan, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; E. I. TERRY, Forest Assistant. (3)
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas, Ariz.; H. D. BURRALL, Forest Assistant. (3)
Datil—R. F. BALTHIS, Acting Forest Supervisor, Magdalena. (3)
Gila—W. H. GODDARD, Forest Supervisor, Silver City; DOUGLAS RODMAN, Deputy Forest Supervisor; Fort Bayard Planting Station—W. B. HADLEY, Forest Assistant; H. C. TURNER and A. HEDRICKS, Forest Planting Assistants. (3)
Jemez—Ross McMillan, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; E. I. TERRY, Forest Assistant. (3)
Lincoln—J. A. SCOTT, Forest Supervisor, Capitan. (3)
Magdalena—R. F. BALTHIS, Acting Forest Supervisor, Magdalena. (3)
Manzano—A. D. READ, Acting Forest Supervisor, Albuquerque. (3)
Pecos—Ross McMillan, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; E. I. TERRY, Forest Assistant; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant, Las Vegas; E. L. LAWBAUGH, Forest Planting Assistant. (3)

OKLAHOMA.

- Wichita**—FRANK RUSH, Acting Forest Supervisor, Cache. (3)

OREGON.

- Cascade**—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant. (6)
Crater—S. S. SWENNING, Acting Forest Supervisor, Medford; H. D. FOSTER, Forest Assistant. (6)
Deschutes—A. S. IRELAND, Forest Supervisor, Prineville. (6)
Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor. (6)
Malheur—CY. J. BINGHAM, Acting Forest Supervisor, John Day. (6)
Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor. (6)
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)
Siuslaw—A. E. COHOON, Forest Supervisor, Eugene. (6)
Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner. (6)
Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor. (6)

- Wallowa**—HOWARD K. O'BRIEN, Forest Supervisor, Wallowa; HARVEY W. HARRIS, Deputy Forest Supervisor. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla, Wash. (6)
Whitman—R. E. SMITH, Acting Forest Supervisor, Sumpter. (6)

SOUTH DAKOTA.

- Black Hills**—E. M. HAMILTON, Forest Supervisor, Deadwood; A. L. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants. (2)
Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook. (1)

UTAH.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal. (4)
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTIERY, Forest Assistant. (4)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George. (4)
Fillmore—WM. HURST, Forest Supervisor, Beaver. (4)
Fishlake—N. E. SNELL, Forest Supervisor, Salina. (4)
La Salle—O. C. SNOW, Forest Supervisor, Moab. (2)
Manti—A. W. JENSEN, Forest Supervisor, Ephraim. (4)
Minidoka—WM. MCCOY, Forest Supervisor, Oakley, Idaho. (4)
Nebo—WALTER F. BROUH, Acting Forest Supervisor, Payson. (4)
Pocatello—CLINTON G. SMITH, Acting Forest Supervisor, Pocatello, Idaho; Pocatello Planting Station—R. I. KEATOR, Forest Planting Assistant, Pocatello. (4)
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante. (4)
Sevier—T. C. HOYT, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor. (4)
Uinta—R. V. R. REYNOLDS, Acting Forest Supervisor, Provo; D. S. MARSHALL, Deputy Forest Supervisor; CHAS. A. LEWIS, Forest Assistant. (4)
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City. Wasatch Planting Station—N. J. FETHEROLF and F. L. RICKY, Forest Planting Assistants, Silver Lake. (4)

WASHINGTON.

- Chelan**—GEORGE W. MILLHAM, Forest Supervisor, Chelan. (6)
Columbia—THOS. P. MACKENZIE, Acting Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant. (6)
Colville—C. C. REID, Acting Forest Supervisor, Republic. (6)
Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport. (1)
Olympic—FRED HANSON, Forest Supervisor, Hoodsport. (6)
Rainier—G. F. ALLEN, Forest Supervisor, Orting; C. H. PARK, Deputy Forest Supervisor; F. B. KELLOGG, Forest Assistant. (6)
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant. (6)
Washington—C. H. FLORY, Forest Supervisor, Bellingham. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla. (6)
Wenatchee—A. H. SYLVESTER, Acting Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED. W. CLEATOR, Forest Assistant. (6)

WYOMING.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal, Utah. (4)
Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; WM. C. LATANE, Forest Assistant. (1)
Bonneville—ZEPHI JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls, Idaho. (4)
Cheyenne—J. W. NELSON, Forest Supervisor, Saratoga; R. A. STRETCH, JOHN H. BRIDGES, and ARTHUR M. COOK, Forest Assistants. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment. (2)
Shoshone—H. W. THURSTON, Forest Supervisor, Cody; C. N. WHITNEY, Forest Assistant. (1)
Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance. (2)

Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony, Idaho; FOSTER STEELE, Deputy Forest Supervisor. (4)
Teton—R. E. MILLER, Forest Supervisor, Jackson. (4)
Wyoming—JOHN RAPHAEL, Acting Forest Supervisor, Afton. (4)

SERVICE CHANGES IN SEPTEMBER.

APPOINTED.

Silviculture—

FOREST MANAGEMENT: SAMUEL M. CROSS, Lumberman; JOHN LAFON, Lumberman; ATHOL A. WYNNE, Lumberman; DANIEL F. SEEREY, Lumberman.
COOPERATION: JOSEPH C. ELLIOTT, Lumberman.

Products—

WOOD UTILIZATION: JESSE E. BURTZ, Agent.
PUBLICATION: W. N. CLIFFORD, Expert.

Lands—

OCCUPANCY: S. M. HIGGINS, Forest Expert.

PROMOTIONS.

Operation—

ORGANIZATION: A. M. NEAL, Forest Supervisor, Alamo National Forest, from Acting Forest Supervisor.

TRANSFERRED.

Operation—

ORGANIZATION: C. N. WHITNEY, Forest Assistant, from Shoshone National Forest to Blackfeet National Forest; SWIFT BERRY, Forest Assistant from Holy Cross National Forest to Arapaho National Forest.

RESTORED TO THE ROLLS WITH PAY.

Operation—

ORGANIZATION: Ross McMillan, Forest Supervisor, Carson, Pecos, and Jemez National Forests.

FURLoughed.

Products—

WOOD PRESERVATION: HOWARD B. OAKLEAF, Forest Assistant.

Lands—

OCCUPANCY: F. G. MILLER, Forest Assistant.

Operation—

ORGANIZATION: J. H. KINNEY, Supervisor, Lincoln National Forest, N. Mex.; C. H. GOETZ, Forest Assistant, Gila National Forest; J. A. FERGUSON, Forest Assistant, Boise National Forest.

SEPARATED.

Silviculture

EXTENSION: GEORGE L. CLOTHIER, Forest Assistant.
SILVICS: A. G. HAMEL, Forest Agent; W. W. MORRIS, Forest Agent.

DISMISSED.

Products—

WOOD UTILIZATION: GORDON H. JONES, Agent.

SERVICE NOTES FOR OCTOBER.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

BRANCH OF SILVICULTURE.

OFFICE OF FOREST MANAGEMENT.

Advance Cutting in Advertised Class B Sales—

Under Regulation 41 of The Use Book supervisors may allow advance cutting in advertised Class B sales. Applicants should be required to execute in duplicate the form given on page 27 of the Field Program for August, 1907. Actual cutting should not be allowed to begin until the Forest officers know that the required deposit has been made. The privilege should never be granted when it will tend to discourage competitive bids, or when it is not necessary to prevent hardship to local industries. Additional instructions for handling advance cutting will be found on page 89 of The Use Book.

Special Uses, Sawmills—

Supervisors are instructed on page 57 of The Use Book to inform the Forester by letter when they reject special-use applications. Please note, however, that the Forester need not be informed when sawmill special-use applications are rejected. The circular of September 25, 1907, on the procedure in "Special Uses, Sawmills" is still in force.

Replies to Circular Letters "SM," March 14 and April 9—

In order that the sales policy for each Forest may be in final shape by July 1, 1909, it is necessary that most of the replies to circular letters "SM" of March 14 and April 9 be submitted before February 1. On some Forests, however, the pressure of current business has been so great during the summer that little progress could be made. In these cases, if weather conditions in the winter will permit the necessary field work, the time for reply will, on receipt of the supervisor's request, be extended until May 1. This extension will be made only in cases where the additional time will permit particular attention to be given to the work and decidedly better results to be obtained.

Closing Timber Sales—

The attention of supervisors is called to the instructions contained in "SM" circular of June 30, in regard to closing timber sales in which a refund is necessary. Please be sure to send, with the refund voucher properly filled out and executed, the final cutting report closing the case.

Closing Timber Trespass Cases—

Supervisors, either personally or through their rangers, should make a special effort to close as many timber-trespass cases as possible before winter comes on and the snow makes brush piling difficult and unsatisfactory. Privileges to trespassers should be denied until they have shown cause why they have not made settlement and cleaned up their trespass areas.

OFFICE OF EXTENSION.

Seed Collecting—

It is desired to collect a very large quantity of seed on the National Forests this fall for broadcast seeding experiments. The supervisors of Forests on which the seed crop is abundant have been notified by letter of the quantity they are expected to collect on their Forests. It is often the case that on Forests where the seed crop on the whole is scarce there are localities where 25 to 50 pounds of seed can easily be collected. Therefore, supervisors who have not already been requested to secure seed should instruct their rangers to pay special attention to local seed crops within their districts and obtain whatever quantity of seed is possible in connection with their other work. Seed of the following species is most desired: Yellow pine; Douglas fir; lodgepole pine; Engelmann spruce; western white pine; sugar pine; Coulter pine; Jeffrey pine.

Replies to Circular Letter "SE" of June 30—

Only 60 per cent of the replies, due September 1, to this circular letter have been received. It is essential that the information requested be sent in at once, in order that the necessary arrangements may be made to obtain the stock required for distribution.

BRANCH OF GRAZING.

Annual Grazing Reports—

The reorganization of the Forest Service, which is to take effect January 1, renders it necessary to have all supervisors' annual grazing reports submitted in duplicate. Every supervisor will, therefore, furnish the district forester with two copies of his annual grazing report, the original to be transmitted to the Forester, and the duplicate to be retained in the files of the district forester's office. This matter is a very important one, and must not under any circumstances be ignored.

Error in Charges for Hay Cutting—

The Circular of Instructions on Special Uses of August 31, on page 2, established a minimum rate of 25 cents per acre for hay sales. This is an error; the correct figure is 20 cents per acre. (See Use Book, Reg. 72, also Service Order 20, in the Field Program for September.)

BRANCH OF LANDS.

OFFICE OF LAW.

Criminal Action Recommended—

DISTRICT 3.

Lincoln National Forest—Felipe Sanchez (grazing trespass).

Arkansas National Forest—R. P. Harris (timber trespass).

Wichita National Forest—Hopkins, alias N. H. Crocker (fire trespass).

Chiricahua National Forest—C. T. McGlone (embezzlement).

Civil Action Recommended—

DISTRICT 3.

Arkansas National Forest—R. P. Harris (timber trespass).

DISTRICT 5.

Sierra National Forest—S. J. Harris, special use trespass (occupancy). Criminal action pending.

DISTRICT 6.

Deschutes National Forest—J. D. Combs (grazing trespass).

Indictment of Louis R. Webb—

Louis R. Webb was indicted September 15 by the Federal grand jury for the northern district of California for maliciously setting forest fires on the Klamath National Forest.

Conviction of Fleetwood Sothcott and C. H. Mullin—

Fleetwood Sothcott convicted of special use trespass (saloon) on the Deerlodge National Forest.

C. H. Mullin convicted in United States district court at Boise, Idaho, of fire trespass on the Weiser National Forest.

OFFICE OF OCCUPANCY.**Administrative Sites, Occupied Lands—**

All Forest officers are requested to give particular attention to the last paragraph on page 52 of The Use Book. It is extremely important that no injustice be worked upon occupants of National Forest lands through the taking of the land for administrative uses, and that an amicable agreement be reached with such occupants when the administrative use of the lands is absolutely necessary.

Names of Administrative Sites—

All administrative sites should be given appropriate local names. When new names are given sites which were inappropriately named, the Forester must be notified by letter referring to the old name under which the site was withdrawn. New names must not be used in correspondence before such notice is given.

Special Uses, Advertising Signs—

The placing and maintaining of advertising signs on unclaimed National Forest lands and upon unpatented claims and county roads in National Forests are, of course, subject to Regulation 6. In the case of signs within rights of way for county roads, the same principles apply as in the case of telephone lines along county roads (The Use Book, pp. 64 and 65). No special-use permits should be issued for large or conspicuous signs, and when such signs are not removed upon request of the Forest officers trespass reports should be made on Form 856. There is no objection to small advertising signs which serve as guideposts where guideposts are necessary. No charge will be made for the permits, since they will be issued only for small signs which will be of benefit to the public.

Claims—

When supervisors believe that a number of claims of any kind or several kinds are the result of a collusive effort to obtain title fraudulently, it is requested that the reports to the Forester on all such claims be made as near the same time as practicable. The report upon each of such claims, whether they are reported upon at the same time or not, should be accompanied by a letter referring to the other claims involved and giving the dates when the other reports were made or the approximate dates when they will be made.

Claims of this character considered separately seldom show any evidence of fraud or collusion, but viewed in relation to several others of the same kind the fraud or collusion is often apparent. Therefore, it is necessary that the several claims be considered collectively by the Forester before he makes recommendation to the Land Office upon any of them.

New Form 348 Supersedes Form 965—

Form 965, for indexing Forest homestead applications, is obsolete, and supervisors should use instead the new Form 348.

Reports on Form 110—

In future all reports on Form 110 should be made in duplicate and both copies should be transmitted to the chief inspector for approval. Any changes made upon the original forwarded to the Forester should be noted also upon the duplicate, which should be returned to the supervisor for filing.

OFFICE OF GEOGRAPHY.

Maps—

The fourth edition of the wall map has been issued, and a limited number will be for sale to private parties and will be sent postpaid on receipt of 25 cents for each copy.

The fifth edition of the wall map shows, in addition to the data on the fourth edition, the Indian reservations and the six western districts. These maps are only for the use of Forest officers and Forest schools.

The General Land Office township plats which have not been previously lithographed or photographed are now being photographed for the use of supervisors. It is expected that this work will require three or four months.

It is intended to complete the alienation of all of the National Forests by December 31, and the Forest Atlas Folios will be completed by June 30, 1909. This will furnish a set of base maps, upon which all additions and corrections may be made, in accordance with the legend of the Forest Atlas.

Exposure of Films and Plates—

The negatives which are being made by Service members are, with few exceptions, not up to the standard. In order to improve them it will be necessary that every one using a camera pay careful attention to the "record slip" which is returned to him, showing the result of each individual exposure. Exposures are considered under three heads, viz: "Good," "Medium," and "Failures."

Slips stamped "Good" show exposures which are perfect or nearly so.

Slips stamped "Medium" show the exposures which will be printed and used, but can be improved upon by remedying one or more of the following faults: "Out of focus," "over exposure," "under exposure," "poor light," etc.

Slips stamped "Failure" show exposures which will not be printed or used, owing to one or more of the following faults: "Deterioration," "double exposure," "blank," "light struck," etc.

The photographer will give other information, when necessary, which, if carefully followed, will be the means of perfecting the photographic collection.

Status of Lands Within National Forests—

A number of requests for the complete status of lands within the National Forests are being received by the Office of Geography. In order to anticipate requests along this line, Forest officers are informed that in the course of the present fiscal year it is contemplated to issue Atlas folios for all of the National Forests which have not already been covered, and that these folios will include the status of lands within the Forests. The order in which they will be issued has been determined to an extent, but depends upon various conditions, and the status will be compiled in the same order. Status of lands for small areas or in special cases can, however, be supplied on request.

BRANCH OF OPERATION.

OFFICE OF MAINTENANCE.

A "Pair" of Buffalo Grips—

There seems to be a difference of opinion among Forest officers as to what constitutes a pair of Buffalo grips. The word "pair" as applied to a Buffalo grip is used in the same sense as when applied to scissors or pliers and means one instrument.

Steel "F. S." Dies—

The property clerk at Ogden, Utah, now has a supply of steel "F. S." dies (separate dies for marking curved surfaces), which can be secured on requisition.

OFFICE OF ENGINEERING.

Form 99 to Show Projects on which Improvement Fund is Expended—

All supervisors are requested to read carefully the fourth note on page 66 of the Field Program for September and to prepare Form 99 in accordance with the instructions contained therein.

Project Ledger—

Attention is called to the last paragraph of the general instructions for the Project Ledger. The statement showing the work accomplished and its cost in detail should be forwarded in duplicate to the Office of Engineering at Ogden.

Swinging Tree Insulators—

On several of the Forests swinging tree insulators have been incorrectly used. The line wire should pass through the large hole in the center of the insulator, and one end of the tie wire should be fastened around the groove.

Purchase of Stoves as Separate Project—

Purchases of stoves for use in houses on ranger stations are considered as separate projects. When a purchase has not been authorized, an increase in authorization or transfer should be requested, to cover the cost.

Estimates for Projects on Ranger Stations—

In preparing estimates for projects on ranger stations, it will facilitate their approval if the supervisors will state whether or not the stations have been withdrawn.

OFFICE OF ORGANIZATION.

Circular Letter "OO" of August 19—

A typographical error occurred in Circular Letter "OO" of August 19. Reference was made to Circular Letter of July 7; this should have read July 1. In connection with the circular of August 19, the attention of supervisors is called to the fact that only the stamp for travel is to be placed on the Form 99. All other stamps relating to accounts should be placed on the face of the voucher.

Rental Payable by Portion of Crop—

It appears from recent reports received from several National Forests that leases providing that the rental may be paid by a portion of the crop have been issued for agricultural lands other than lands withdrawn for administrative purposes. When the advisability of this form of lease was considered it was decided to restrict its application to land that had been withdrawn for administrative sites. If any supervisors have made agreements for the rental of lands other than on administrative sites for a portion of the crop, they are requested to report such cases to the Forester and to arrange with the permittees for cash payment. The attention of supervisors is also called to the fact that it has been decided not to allow the exchange of any portion of the crop raised on an administrative site for any other commodity.

SERVICE ORDERS.

SERVICE ORDER 22.

SEPTEMBER 25, 1908.

Observance of State Laws by Forest Officers.

It has recently been brought to the attention of this Service that Forest officers themselves have in rare instances failed to observe the State game laws. Strict observance, both by act and example, of all State laws, whether for the protection of game or for other purposes, is one of the first duties of every Forest officer. Under no circumstances should one Forest officer shield or condone the act of another who violates the game laws. To do so differs little from actual violation of the law itself. This Service will not tolerate violation of the State game laws by any of its members, or failure to cooperate fully with State game officials.

GIFFORD PINCHOT, *Forester.*

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United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR NOVEMBER, 1908.

This program of field work and assignments in the Forest Service is issued monthly, and is for the exclusive use of members of the Forest Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate. Information concerning errors or omissions and changes of project or of address for the following month should be sent by members to the offices of their respective chiefs not later than the 20th of the month.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.
OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

HERBERT A. SMITH, Editor.
GEORGE B. SUDWORTH, Dendrologist.
EUGENE S. BRUCE, Expert Lumberman.
R. E. BENEDICT, General Inspector.

Compilation of data for National Conservation Commission—W. T. COX and R. S. KELLOGG, Assistant Foresters.

INSPECTION.

FORESTER AND ASSOCIATE FORESTER.

Inspection District 1.—Montana, northeastern Washington, northern Idaho, northern Wyoming, and northwestern South Dakota.

E. A. SHERMAN, Chief Inspector, Missoula, Mont.

Inspectors: R. Y. STUART, Missoula, Mont.; F. A. SILCOX and P. G. REDINGTON, Washington, D. C.

Inspection District 2.—Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, western Kansas, and southeastern Utah.

SMITH RILEY, Chief Inspector, Denver, Colo.

Inspectors: R. P. IMES, T. D. WOODBURY, and F. W. MORRELL, Washington, D. C.; S. L. MOORE, Denver, Colo.

Inspection District 3.—Arizona, Arkansas, New Mexico, and Oklahoma.

D. D. BRONSON, Chief Inspector, Albuquerque, N. Mex.

Inspectors: W. R. MATTOON, Albuquerque, N. Mex.; T. S. WOOLSEY, Jr., and A. O. WAHA, Washington, D. C.

Inspection District 4.—Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

F. W. REED, Acting Chief Inspector, Salt Lake City, Utah.

Inspectors: J. M. FETHEROLF, Salt Lake City, Utah, and L. L. WHITE, Washington, D. C.

Inspection District 5.—California and southwestern Nevada.

F. E. OLMS TED, Chief Inspector, San Francisco, Cal.

Inspectors: Wm. C. HODGE, Jr., and G. W. PEAVY, San Francisco, Cal.; COERT DU BOIS and J. H. HATTON, Washington, D. C.

Inspection District 6.—Washington, Oregon, a small part of northern California, and Alaska.

E. T. ALLEN, Chief Inspector, Portland, Oreg.

Inspectors: W. H. B. KENT and M. L. ERICKSON, Portland, Oreg.; F. E. AMES, Washington, D. C.

E. M. GRIFFITH, *Special Inspector*, for Indian Reservations in Wisconsin, Madison, Wis.

BRANCH OF SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

OFFICE OF FOREST MANAGEMENT.

E. H. CLAPP, Chief.

W. B. GREELEY, Chief.

Timber Sales, G. M. HOMANS.

D. T. MASON.

TIMBER SALE CORRESPONDENCE.

District 1—P. T. HARRIS.

District 2—E. WILLIAMS.

District 3—M. N. STICKNEY.

District 4—O. M. BUTLER.

District 5—A. W. COOPER.

District 6—J. F. PRESTON and W. W. CRYDER.

TEMPORARY ASSIGNMENTS.

(Under the Direction of Supervisors.)

Forest Assistants.

C. E. DUNSTON, Boise, Idaho.

R. W. ALLEN, Encampment, Wyo.

J. D. WARNER, Sandpoint, Idaho.

Lumbermen.

J. S. BAIRD, Cass Lake, Minn.

D. W. ADAMS, Sulphur Springs, Colo.

J. P. HUGHES, Red Bluff, Cal.

D. F. SEEREY, Wallace, Idaho.

W. T. ANDREWS, Bellingham, Wash.

JOSEPH C. ELLIOT, Boise, Idaho.

A. J. NORTON, Anaconda, Mont.

W. R. MCKINNON, Cass Lake, Minn.

S. M. CROSS, Anaconda, Mont.

G. L. COTT, Great Falls, Mont.

Reconnaissance, A. B. RECKNAGEL.
LOUIS MARGOLIN.

PROJECTS.

Arizona—

Estimate and working plan for Coconino National Forest—J. H. ALLISON, Flagstaff; assistants, JOHN LAFON, Jr., H. G. CALKINS, and H. HAEFNER.

Colorado—

Working plan for Pike, Leadville, and Holy Cross National Forests—J. A. FITZWATER, Denver; assistants, P. T. COOLIDGE, J. E. MARTIN, and R. A. STRETCH.

Idaho—

Working plan for Sawtooth National Forest—C. P. WILBER, Hailey.

Utah—

Working plan for Cache National Forest—G. P. BARD, Logan.

Washington—

Working plan for Chelan Basin—MAX ROTHKUGEL, Chelan.

OFFICE OF COOPERATION.

A. K. CHITTENDEN, Chief.

Federal Cooperation, A. K. CHITTENDEN.

Correspondence, HARRY IRION.

PROJECTS.

Arizona—

Supervision of logging, San Carlos Indian Reservation—J. J. WOOLSEY, San Carlos.

California—

Preparation of a report on the Hoopa Valley Indian Reservation, in cooperation with the Indian Service—I. F. ELDREDGE, Washington, D. C.

New Mexico—

Supervision of cutting, Fort Wingate Military Reservation, in cooperation with the War Department—NELSON LE GRAND, Guam.

South Dakota—

Supervision of logging, Pine Ridge Indian Reservation—L. KNOWLES, Pine Ridge.

Wisconsin—

Timber work on the Menominee Indian Reservation—E. A. BRANIFF, Neopit, Wis.; assistants, J. A. HOWARTH, W. E. LA FOUNTAIN, MARK BURNS, and W. S. UHLER.

State and Private Cooperation.

K. W. WOODWARD (in the Field).
J. G. PETERS, Acting.

PROJECTS.

Alabama—

Preliminary examination of forest conditions, in cooperation with the State Commission of Forestry—J. H. FOSTER, Montgomery.

Kentucky—

Preparation of a report on forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—J. S. HOLMES, E. D. CLARK, R. C. HALL, W. B. WILLEY, and G. T. BACKUS, Washington, D. C.

Michigan—

Preliminary examination of forest conditions, in cooperation with the State Forestry Commission—W. BRADFIELD and A. A. WYNNE, Grand Rapids.

Montana—

Preparation of a report on forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD, E. D. FLETCHER, W. B. PIPER, N. C. BROWN, J. BENTLEY, Jr., J. ST. J. BENEDICT, L. S. MURPHY, and RUTLEDGE PARKER, all at Missoula.

Wisconsin—

Preparation of a report on Chicago and Northwestern Railway timberland—A. B. PATTERSON, Washington, D. C.

OFFICE OF SILVICS.

RAPHAEL ZON, Chief (in the Field).
S. T. DANA, Acting Chief.

Field Studies, S. T. DANA.

PROJECTS.**Colorado—**

Study of insect-infested timber in Colorado National Forests, in cooperation with the Bureau of Entomology (Forest Insect Investigations, A. D. Hopkins, in charge)—W. D. EDMONSTON, Colorado Springs.

Study of Engelmann spruce—E. R. HODSON, Washington, D. C.

Central States—

Study of the ashes—W. T. STONE, Columbus, Ind.

Middle West—

Study of windbreaks and their influences—C. G. BATES in charge, T. R. COOPER, G. R. MORRISON, Box 1157, Lincoln, Nebr.

Northwest—

Study of the encroachment of lodgepole pine on western yellow pine on the east slope of the Cascade Range—T. T. MUNGER, Fort Klamath, Oreg.

Southwest—

Study of the reproduction of western yellow pine, and establishment of a forest experiment station on the Coconino National Forest—G. A. PEARSON, Flagstaff, Ariz.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

OFFICE OF EXTENSION.

SAMUEL N. SPRING, Chief.

Planting, L. C. MILLER.
J. F. KÜMMEL.

Planting Correspondence—G. W. PEAVY, Washington, D. C.

TEMPORARY ASSIGNMENTS.

(Under the direction of supervisors.)

California—

Examination and selection of areas for planting, Cleveland National Forest—E. C. CLIFFORD, San Diego.

Idaho

Seed collecting, Boise National Forest—G. B. MACDONALD, Boise.

Colorado—

Seed collecting, Uncompahgre National Forest—R. G. PIERCE, Delta.

Reconnaissance, W. H. von BAYER.

PROJECTS.

Kansas—

Study of catalpa plantations—A. E. OMAN, Hutchinson, until November 15.
Germination tests of forest tree seeds—N. H. GRUBB, Washington, D. C.

Cooperation, A. S. PECK.

Correspondence.—Advice on private forest planting—E. O. SIECKE and R. L. ROGERS.

PROJECT.

Oklahoma—

Preparation of planting plans—A. E. OMAN, Norman, after November 15.

BRANCH OF GRAZING.

A. F. POTTER, Assistant Forester.

OFFICE OF CONTROL.

L. F. KNEIPP, Chief.

Allotment, WILL C. BARNES (in the Field).
Adjustment, E. N. KAVANAGH (in the Field).
Protection, W. S. PERRINE (in the Field).
Permits, Miss ANNA P. KOSCHWITZ.

OFFICE OF DEVELOPMENT.

W. C. CLOS, Acting Chief.

Fences, C. H. ADAMS (in the Field).
Forage, W. C. CLOS.
Water, J. K. CAMPBELL (in the Field).

PROJECTS.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Expert, both at Washington, D. C.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Hugo, Colo.; IVAR TIDESTROM, Scientific Assistant, Washington, D. C.

BRANCH OF PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.

R. S. KELLOGG, Assistant Forester.

OFFICE OF WOOD UTILIZATION.

McGARVEY CLINE, Chief.

H. S. BETTS, Assistant Chief (in the Field).

PROJECTS.

Turpentining Studies—

Chipping experiments—P. D. EDMUNDS, Green Cove Springs, Fla.
Statistics on production—J. O. LA FONTSEE, Jacksonville, Fla.; assistants, J. P. MOODY and J. E. BERTZ.
Effects of different methods of turpentining—A. L. BROWER, Jacksonville, Fla.

Computing, E. A. ZIEGLER.**PROJECTS.**

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, Washington, D. C.
Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.**PROJECTS.**

Study of commercial processes of wood distillation and the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, Boston, Mass.

Experiments to determine the value of various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of chemical problems in wood utilization and wood preservatives—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

National Forest Studies.

Districts 1 and 6, J. B. KNAPP, in charge.

Study of wood-using industries and markets for forest products—J. B. KNAPP, Seattle, Wash.; assistant, F. I. ROCKWELL.

Washington—

Tests of western hemlock and National Forest woods, in cooperation with the University of Washington and the Pacific Coast Lumber Manufacturers' Association—O. P. M. GOSS, University Station, Seattle; assistant, P. S. BUHL.

Districts 2 and 3, C. L. HILL, in charge.

Study of wood-using industries and markets for forest products—C. L. HILL, Boulder, Colo.; assistant, H. B. HOLROYD.

Colorado—

Establishment of timber-testing laboratory, in cooperation with the University of Colorado—A. L. HEIM, Boulder.

Districts 4 and 5, L. E. HUNT, in charge

Study of wood-using industries and markets for forest products—L. E. HUNT, Berkeley, Cal.; assistant, J. V. WULFF.

California—

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Wood Uses, ROLF THELEN, Acting.**PROJECTS.****Connecticut—**

Timber tests, with special reference to the influence of method of drying on the strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Indiana—

Tests of structural timbers and a number of species of hickory, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, La Fayette: assistants, J. A. NEWLIN, J. O. BIXBY, WM. D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

- Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.
 Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, Chicago, Ill.
 Microscopic study of the mechanical failure of wood—W. D. BRUSH, Washington, D. C.
 Timber-test files—T. W. VENEMANN, Washington, D. C.

OFFICE OF WOOD PRESERVATION.

W. F. SHERFESSEE, Chief.

PROJECTS.

- Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.
 Special investigations and correspondence—W. H. KEMPFER, Washington, D. C.

National Forest Timbers, WALTER R. WHEATON.

PROJECTS.

(Under the direction of the Supervisors.)

Colorado—

Experimental operation of a wood-preserving plant for National Forest timbers, in cooperation with the Colorado Midland Railway Company, The Central Colorado Power Company, and others—W. R. WHEATON, care Forest Supervisor, Glenwood Springs.

South Dakota—

Experimental operation of a wood-preserving plant for National Forest timbers, in cooperation with the Homestake Mining Company and others—GEORGE R. OGIER, care Forest Supervisor, Deadwood.

Farm Timbers, C. STOWELL SMITH.

PROJECTS.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—Prof. C. A. SCOTT, Ames.

Minnesota—

Preservative treatment of fence posts and other farm timbers, in cooperation with the University of Minnesota—C. P. WILLIS, St. Anthony Park (after November 15).

General Studies—

Correlation of the past season's results in the treatment of farm timbers—C. STOWELL SMITH, Washington, D. C.

Preparation of report on the cooperative treatment of greenhouse timbers—C. P. WILLIS, Washington, D. C. (until November 12).

Railroad and Mine Timbers, JOHN M. NELSON, Jr.

Alabama—

Construction and experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

California—

Experiments in seasoning and treating telephone poles, in cooperation with electric companies in southern California—O. T. SWAN, Hotel Westmoore, Los Angeles.

Idaho—

Experimental treatment of mine timbers, in cooperation with the Bunker Hill and Sullivan Mining and Concentrating Company at Kellogg—P. R. HICKS, care S. A. EASTON.

Experimental treatment of mine timbers, in cooperation with the Hercules Mining Company at Burke—P. R. HICKS, care S. A. EASTON, Kellogg.

Indiana—

Supervision of the preparation of designs for a treating plant, in cooperation with the Indianapolis, Columbus and Southern Traction Company—H. F. WEISS, Washington, D. C.

Louisiana—

Experimental operation of a plant for the treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—HARRY M. MASON, Jr., Winnfield.

Experiments to devise a system for treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Pennsylvania—

Experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant, detailed by the company, L. W. Conrad, Pottsville, Pa.

Experimental operation of a commercial open-tank wood-preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—C. P. WINSLOW, Hotel Sterling, Wilkes-Barre, Pa.

Research, HOWARD F. WEISS.

PROJECT.**General studies—**

Supervision of the construction of an experimental laboratory—H. F. WEISS, Washington, D. C.

OFFICE OF PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Distribution, DON CARLOS ELLIS, Acting.

Education, DON CARLOS ELLIS, Acting.

PUBLICATIONS IN OCTOBER.

Silvical Leaflet 12 (Revised). Yellow Cedar.

Silvical Leaflet 15. White Spruce.

Silvical Leaflet 16. Single-Leaf Pinon.

Silvical Leaflet 17. Four-Leaf Pinon.

Silvical Leaflet 20. Weeping Spruce.

Silvical Leaflet 22. Amabilis Fir.

Silvical Leaflet 24. Bristol-Cone Fir.

Silvical Leaflet 25. Cottonwood.

Silvical Leaflet 26. Foxtail Pine.

Silvical Leaflet 27. Torrey Pine.

Circular 157. A Primer of Conservation.

Unnumbered Circular. Extent and Importance of the Chestnut-Bark Disease.

Unnumbered Circular. Forest Trees of the Pacific Slope.

BRANCH OF LANDS.

P. P. WELLS, In Charge.

A. C. RINGLAND, Assistant Forester.

A. C. SHAW, Principal Examiner.

OFFICE OF LAW.

A. C. SHAW, Chief.

OFFICE OF OCCUPANCY.

M. J. McVEAN, Chief.
H. O. STABLER, Assistant Chief.

Boundaries, S. G. SMITH.
Claims, F. L. HARVEY.

Settlement, C. E. GAGE.
Special Uses, C. H. SQUIRE.

OFFICE OF GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.
Alienation, J. B. SATTERLEE.

Drafting, C. A. KOLB.
Photography, A. G. VARELA.

BRANCH OF OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.
CHAS. S. CHAPMAN, Assistant Forester.
GEO. G. ANDERSON, Assistant in Office Methods.

OFFICE OF ACCOUNTS.

H. B. CRAMER, Fiscal Agent and Chief.
E. A. MELZAR, Assistant Chief.

Audit, GEORGE E. KING.
Bookkeeping, O. H. TIBBOTT.

Receipt, Miss MARY R. LATIMER.
Appointment, Miss F. D. STRAUSE.

OFFICE OF MAINTENANCE.

R. K. HELPHENSTINE, Jr., Chief.

Purchase, H. C. TOWERS.
Record, R. K. HELPHENSTINE, Jr.

Supplies, FELIX T. MOORE.
Property Audit, J. G. FALCK.

Supply Depot, Ogden, Utah, A. M. SMITH.

OFFICE OF ENGINEERING.

W. E. HERRING, Chief.
F. C. WALES, Assistant Chief.

Field Headquarters, Ogden, Utah.

A. T. MITCHELSON, Acting Chief.

OFFICE OF ORGANIZATION.

CLYDE LEAVITT, Chief.
GEO. H. CECIL, Assistant Chief.

R. H. RUTLEDGE, Forest Supervisor, District 1.
H. N. WHEELER, Forest Supervisor, District 2.
A. O. WAHA, Inspector, District 3.
R. P. IMES, Inspector, District 4.
R. L. FROMME, Forest Supervisor, District 5.
C. J. BUCK, Forest Supervisor, District 6.

NATIONAL FORESTS.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant. (6)
Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant. (6)

ARIZONA.

- Apache**—DRAYTON C. MARTIN, Acting Forest Supervisor, Springerville. (3)
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant. (3)
Coconino—F. C. W. POOLER, Forest Supervisor, Flagstaff; W. H. KOBBÉ and W. M. DRAKE, Forest Assistants. (3)
Coronado—ROBERT J. SELKIRK, Forest Supervisor, Benson. (3)
Crook—T. T. SWIFT, Forest Supervisor, Safford. (3)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George, Utah. (4)
Garces—ROBERT A. ROGERS, Forest Supervisor, Nogales. (3)
Kaibab—J. H. CLARK, Acting Forest Supervisor, Kanab, Utah; DANIEL K. JUDD, Deputy Forest Supervisor. (4)
Prescott—C. H. HINDERER, Forest Supervisor, Prescott. (3)
Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake. (3)
Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor. (3)

ARKANSAS.

- Arkansas**—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant. (3)
Ozark—DAVID E. FITTON, Forest Supervisor, Harrison; W. F. HILL, Deputy Forest Supervisor. (3)

CALIFORNIA.

- Angeles**—R. H. CHARLTON, Forest Supervisor, Los Angeles; ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station, SEROPE Y. PARNAY and F. L. RICKY, Forest Planting Assistants, San Bernardino. (5)
California—ERNEST BRITTEN, Forest Supervisor, Willows. (5)
Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor. (5)
Crater—S. S. SWENNING, Acting Forest Supervisor, Medford, Oreg.; H. D. FOSTER, Forest Assistant. (6)
Inyo—A. H. HOGUE, Forest Supervisor, Bishop. (5)
Klamath—R. L. P. BIGELOW, Forest Supervisor, Yreka; F. W. HARLEY, Deputy Forest Supervisor; R. G. POND, Forest Assistant. (5)
Lassen—L. A. H. KLING, Acting Forest Supervisor, Red Bluff; J. C. LAPLANT, Deputy Forest Supervisor. (5)
Modoc—V. L. BONNER, Acting Forest Supervisor, Alturas. (5)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville, Nev. (5)
Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas. (5)
Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Supervisor; J. R. HALL, Forest Assistant. (5)
San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo. (5)
Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor. (5)
Sequoia—W. C. BURTON, Acting Forest Supervisor, Hot Springs; W. M. MAULE, Forest Assistant. (5)
Shasta—W. B. RIDER, Forest Supervisor, Sisson; R. F. HAMMATT, Deputy Forest Supervisor. (5)
Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant. (5)
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass, Oreg.; HUGH M. GUTHRIE, Deputy Forest Supervisor; N. F. MACDUFF, Forest Assistant. (6)
Stanislaus—R. W. AYRES, Acting Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant. (5)
Tahoe—MADISON B. ELLIOTT, Forest Supervisor, Nevada City; M. B. PRATT, Forest Assistant. (5)
Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor. (5)

COLORADO.

- Arapaho**—C. J. STAHL, Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor; SWIFT BERRY, Forest Assistant. (2)
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor. (2)

- Cochetopa**—J. M. CUENIN, Acting Forest Supervisor, Saguache. (2)
Gunnison—Wm. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment, Wyoming. (2)
Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant. (2)
La Salle—A. C. SNOW, Forest Supervisor, Moab, Utah. (2)
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta. (2)
Leadville—A. L. STROUP, Forest Supervisor, Leadville; J. F. BRUINS, Deputy Forest Supervisor; JAMES E. MARTIN, Forest Assistant. (2)
Medicine Bow—C. M. GRANGER, Acting Forest Supervisor, Fort Collins. (2)
Montezuma—RESS PHILLIPS, Acting Forest Supervisor, Mancos. (2)
Pike—C. W. FITZGERALD, Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument. (2)
Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant. (2)
Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs. (2)
San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe. (2)
San Juan—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant. (2)
Uncompahgre—H. K. PORTER, Forest Supervisor, Delta; H. L. SPENCER, Deputy Forest Supervisor; J. H. RAMSKILL, Forest Assistant. (2)
White River—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant. (2)

IDAHO.

- Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon, Mont.; R. J. MOORE, Deputy Forest Supervisor. (1)
Boise—E. GRANDJEAN, Forest Supervisor, Boise; O. M. BUTLER, Deputy Forest Supervisor. (4)
Cache—W. W. CLARK, Forest Supervisor, Logan, Utah; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls. (4)
Challis—DAVID LAING, Acting Forest Supervisor, Challis. (4)
Clearwater—F. A. FENN, Forest Supervisor, Kooskia. (1)
Coeur d'Alene—W. J. WEIGLE, Forest Supervisor, Wallace; DORR SKEELS, Forest Assistant. (1)
Idaho—HENRY A. BERGH, Acting Forest Supervisor, Meadows. (4)
Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport, Wash. (1)
Lemhi—JOHN W. HAYS, Jr., Acting Forest Supervisor, Mackay. (4)
Minidoka—Wm. MCCOY, Forest Supervisor, Oakley. (4)
Nezperce—GEO. V. RING, Acting Forest Supervisor, Grangeville. (1)
Payette—GUY B. MAINS, Forest Supervisor, Emmett. (4)
Pend Oreille—J. E. BARTON, Acting Forest Supervisor, Sandpoint. (1)
Pocatello—CLINTON G. SMITH, Acting Forest Supervisor, Pocatello; Pocatello Planting Station—P. T. WRENSTED, Forest Ranger. (4)
Salmon—GEO. G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor. (4)
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor. (4)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor. (4)
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor; WALTER A. HOPSON, Forest Assistant. (4)

KANSAS.

- Kansas**—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant. (2)

MINNESOTA.

- Minnesota**—G. E. MARSHALL, Forest Supervisor, Cass Lake. (2)

MONTANA.

- Absaroka**—V. GIFFORD LANTRY, Acting Forest Supervisor, Livingston. (1)
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge. (1)
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor. (1)
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula. (1)
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell; C. A. WHITNEY, Forest Assistant. (1)
Cabinet—ROY HEADLEY, Forest Supervisor, Thompson Falls. (1)
Custer—A. C. McCAIN, Forest Supervisor, Ashland. (1)
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; P. S. LOVEJOY, Deputy Forest Supervisor. (1)
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell. (1)
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman. (1)
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena. (1)
Jefferson—R. W. STUART, Forest Supervisor, Great Falls. (1)
Kootenai—C. E. SCHOONOVER, Acting Forest Supervisor, Libby. (1)
Lewis & Clark—W. H. DAUGS, Acting Forest Supervisor, Chouteau. (1)
Lolo—ELERS KOCH, Forest Supervisor, Missoula. (1)
Madison—J. B. SEELY, Forest Supervisor, Sheridan. (1)
Missoula—D. G. KINNEY, Forest Supervisor, Missoula; HERBERT GRAFF, Forest Assistant. (1)
Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (1)

NEBRASKA.

- Nebraska**—W. H. MAST, Acting Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants. (2)

NEVADA.

- Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko. (4)
Inyo—A. H. HOGUE, Forest Supervisor, Bishop, Cal. (5)
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas. (4)
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville. (5)
Tahoe—MADISON B. ELLIOTT, Forest Supervisor, Nevada City, Cal. (5)
Toiyabe—DAVID BARNETT, Forest Supervisor, Austin. (4)

NEW MEXICO.

- Alamo**—ARTHUR M. NEAL, Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant. (3)
Carson—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; E. I. TERRY, Forest Assistant. (3)
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas, Ariz.; H. D. BURRALL, Forest Assistant. (3)
Datil—R. F. BALTHIS, Acting Forest Supervisor, Magdalena. (3)
Gila—W. H. GODDARD, Forest Supervisor, Silver City; DOUGLAS RODMAN, Deputy Forest Supervisor; Fort Bayard Planting Station—H. C. TURNER and A. HEDRICKS, Forest Planting Assistants. (3)
Jemez—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; E. I. TERRY, Forest Assistant. (3)
Lincoln—J. A. SCOTT, Acting Forest Supervisor, Capitan. (3)
Magdalena—R. F. BALTHIS, Acting Forest Supervisor, Magdalena. (3)
Manzano—A. D. READ, Forest Supervisor, Albuquerque. (3)
Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; E. I. TERRY, Forest Assistant; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant, Las Vegas; E. L. LAWBAUGH, Forest Planting Assistant. (3)

OKLAHOMA.

- Wichita**—FRANK RUSH, Acting Forest Supervisor, Cache. (3)

OREGON.

- Cascade**—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant. (6)

- Crater**—S. S. SWENNING, Acting Forest Supervisor, Medford; H. D. FOSTER, Forest Assistant. (6)
Deschutes—A. S. IRELAND, Forest Supervisor, Prineville. (6)
Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor. (6)
Malheur—CY. J. BINGHAM, Acting Forest Supervisor, John Day. (6)
Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor. (6)
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGO M. GUTHRIE, Deputy Forest Supervisor; N. F. McDUFF, Forest Assistant. (6)
Siuslaw—A. E. COHOON, Forest Supervisor, Eugene. (6)
Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner. (6)
Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor. (6)
Wallowa—HOWARD K. O'BRIEN, Forest Supervisor, Wallowa; HARVEY W. HARRIS, Deputy Forest Supervisor. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla, Wash. (6)
Whitman—R. E. SMITH, Acting Forest Supervisor, Sumpter. (6)

SOUTH DAKOTA.

- Black Hills**—E. M. HAMILTON, Forest Supervisor, Deadwood; A. L. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants. (2)
Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook. (1)

UTAH.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal. (4).
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant. (4)
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George. (4)
Fillmore—WM. HURST, Forest Supervisor, Beaver. (4)
Fishlake—N. E. SNELL, Forest Supervisor, Salina. (4)
La Salle—O. C. SNOW, Forest Supervisor, Moab. (2)
Manti—A. W. JENSEN, Forest Supervisor, Ephraim. (4)
Minidoka—WM. MCCOY, Forest Supervisor, Oakley, Idaho. (4)
Nebo—DAN S. PACK, Forest Supervisor, Payson. (4)
Pocatello—CLINTON G. SMITH, Acting Forest Supervisor, Pocatello, Idaho; Pocatello Planting Station—P. T. WRENSTED, Forest Ranger, Pocatello. (4)
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante. (4)
Sevier—FRANK W. SEAMAN, Acting Forest Supervisor, Panguitch. (4)
Uinta—R. V. R. REYNOLDS, Acting Forest Supervisor, Provo; D. S. MARSHALL, Deputy Forest Supervisor; CHAS. A. LEWIS, Forest Assistant. (4)
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City. Wasatch Planting Station—N. J. FETHEROLF and F. L. RICKY, Forest Planting Assistants, Silver Lake. (4)

WASHINGTON.

- Chelan**—GEORGE W. MILHAM, Forest Supervisor, Chelan. (6)
Columbia—HOMER ROSS, Acting Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant. (6)
Colville—C. C. REID, Acting Forest Supervisor, Republic. (6)
Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport. (1)
Olympic—FRED HANSON, Forest Supervisor, Hoodspoint. (6)
Rainier—G. F. ALLEN, Forest Supervisor, Orting; C. H. PARK, Deputy Forest Supervisor; F. B. KELLOGG, Forest Assistant. (6)
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant. (6)
Washington—C. H. FLORY, Forest Supervisor, Bellingham. (6)
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla. (6)
Wenatchee—A. H. SYLVESTER, Acting Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED. W. CLEATOR, Forest Assistant. (6)

WYOMING.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal, Utah. (4)
Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; Wm. C. LATANE, Forest Assistant. (1)
Bonneville—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant. (4)
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls, Idaho. (4)
Cheyenne—FRED B. AGEE, Acting Forest Supervisor, Saratoga; R. A. STRETCH and ARTHUR M. COOK, Forest Assistants. (2)
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment. (2)
Shoshone—H. W. THURSTON, Forest Supervisor, Cody; C. N. WHITNEY, Forest Assistant. (1)
Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance. (2)
Targhee—HOMER E. FENN, Forest Supervisor, St. Anthony, Idaho; FOSTER STEELE, Deputy Forest Supervisor. (4)
Teton—R. E. MILLER, Forest Supervisor, Jackson. (4)
Wyoming—JOHN RAPHAEL, Acting Forest Supervisor, Afton. (4)

SERVICE CHANGES IN OCTOBER.

APPOINTED.

Products—

- WOOD UTILIZATION: JASON L. MERRILL, Laboratory Assistant in Wood Chemistry.
 WOOD PRESERVATION: HARRY M. MASON, Jr., Agent.

Silviculture—

- FOREST MANAGEMENT: HARRY H. POOLER, Forest Agent; DANIEL W. ADAMS, Lumberman.

Operation—

- ENGINEERING: ELBERT H. DARLING, Superintendent of Telephone Construction; THOMAS L. DAY, Superintendent of Telephone Construction; ALBERT L. HERRING, Constructing Engineer.

Lands—

- LAW: THOMAS M. TALBOTT, Law Examiner.

PROMOTED.

Operation—

- ORGANIZATION: ERNEST B. LONG, Deputy Supervisor, Angeles National Forest; A. D. READ, Forest Supervisor, Manzano National Forest, from Acting Forest Supervisor; A. H. ZACHAR, Forest Supervisor, Chiricahua National Forest, from Acting Forest Supervisor; C. W. FITZGERALD, Forest Supervisor, Pike National Forest, from Acting Forest Supervisor.

FURLoughed.

Forester—

- INSPECTION: T. S. WOOLSEY, Jr., Inspector.

Silviculture—

- FOREST MANAGEMENT: FRANK VOGEL, Forest Expert.

RESTORED TO THE ROLLS WITH PAY.

Products—

- PUBLICATION: ENOS A. MILLS, Forest Agent.

Silviculture—

- FOREST MANAGEMENT: A. W. COOPER, Forest Assistant.

Lands—

- GEOGRAPHY: D. C. HARRISON, Topographer.

- OCCUPANCY: HUGH H. HARRIS, Supervisor, Manzano National Forest.

REINSTATED.**Forester—**

INSPECTION: RAYMOND E. BENEDICT, General Inspector.

TRANSFERRED.**Operation—**

ORGANIZATION: M. B. PRATT, Forest Assistant, from Boundaries to Tahoe National Forest; W. G. WEIGLE, Forest Supervisor, Coeur d'Alene National Forest, from Silviculture; J. D. GUTHRIE, Deputy Forest Supervisor, from Prescott National Forest to Apache National Forest.

RESIGNED.**Forester—**

INSPECTION: WM. C. HODGE, Jr., Inspector.

Operation—

ORGANIZATION: WALTER B. HADLEY, Forest Assistant, Gila National Forest.

Products—

WOOD PRESERVATION: CARL G. CRAWFORD, Specialist in Wood Preservation.

Silviculture—

FOREST MANAGEMENT: WALTER MULFORD, Forest Expert.

SILVICS: A. T. BOISEN, Forest Assistant; F. E. CLEMENTS, Special Agent; J. D. COFFMAN, Forest Student.

Grazing—

DEVELOPMENT: F. H. KOSCHWITZ, Forest Agent.

CHANGE IN DESIGNATION.**Silviculture—**

FOREST MANAGEMENT: LOUIS MARGOLIN, Forest Examiner; J. H. ALLISON, Forest Examiner; S. J. HUMESTON, Law Clerk; W. G. WEIGLE, Forest Supervisor.

DISMISSED.**Operation—**

ENGINEERING: PERCY G. SMITH, Constructing Engineer.

SERVICE NOTES FOR NOVEMBER.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

BRANCH OF SILVICULTURE.

OFFICE OF FOREST MANAGEMENT.

Book of Tree Measurements—

Attention is called to an error on the sample page of the "Book of Tree Measurements," Form 334. The "Used length" and "Merchantable length" should not include stump height. Therefore, the figures given for these measurements at the top of the sample page should be 108 and 132, respectively, instead of 111 and 135. The Forest Description should give, in addition to the subjects specified, the damage caused by fire, wind, lightning, insects, fungi, snow, etc. These corrections should be made in all the books that have been sent out from this office.

New Form of Bond, Form 377—

A new bond, Form 377 (3 sheets), superseding Forms 226a, 226b, and 288, has been prepared, and a supply is now in stock at the Supply Depot, Ogden, Utah. Supervisors should make requisition for the new form at once and destroy all old forms that are now on hand.

Closing Stamps—

In accordance with "S-M" letter of June 20, all supervisors should provide themselves with a closing stamp to be used on final cutting reports in timber sales, timber settlement, free use and administrative use cases. This detail is being commonly overlooked.

Refunds—

To avoid delay in making refunds, refund vouchers, properly prepared, should accompany all final cutting reports in which refund is recommended. In recommending refunds to purchasers who have never operated on their sales or who have suspended operations before completion, the supervisor, before making the recommendation, should give careful consideration to the advisability of deducting the estimated cost of advertising, mapping, estimating, and marking from the amount which the purchaser has on deposit with the Fiscal Agent. It is thought that a deduction in such cases will tend to discourage speculation and unnecessary delay on the part of purchasers.

Scale Reports—

Owing to the large number of faulty scale reports which are still being received, it seems necessary again to call the attention of supervisors to the necessity of checking over scale reports with great care before approving them. Duplicate letters of transmittal in Class A and unadvertised Class B sales must contain all the information called for on page 79 of "The Use Book," and must be initialed by the supervisor in the lower left-hand corner unless signed by him. Since no further information is received regarding these classes of sales until the final cutting report is made, the duplicate Form 861 must be returned for correction whenever full information is not furnished. This causes considerable unnecessary work in this office, which could easily be obviated by more care on the part of supervisors.

OFFICE OF SILVICS.

District Libraries—

With the reorganization of the Service, branch libraries will be established at each of the district headquarters, the basis of which will be the present inspectors' libraries. Such books and publications will be added to these as will be needed for work in the different districts. Suggestions as to books which should be included in these libraries are welcome and should be forwarded at once to the Forester.

Photographic Collection—

The reclassification of the photographic collection by States and subjects, instead of by watersheds, and the elimination of undesirable prints are now well under way. This work will add greatly to the value of the collection by reducing its size, by removing poor prints, and by facilitating reference to it.

BRANCH OF GRAZING.

Change in the Instructions under Regulation 55—

The instructions contained in the last four lines on page 129 and the first two lines on page 130 of the administrative edition of The Use Book for 1908 have been annulled, and the following instructions substituted :

Grazing permits for the summer season may be extended to cover the entire year wherever there is winter range available within the National Forest, upon payment of the difference between the summer and year-long rates on stock covered by the original permit in addition to the winter grazing fee on all animals which have reached the age of six months during the summer period.

Change in Requirements of Pasture Permits—

On account of the many requests which have been received, a modification has been made in the instructions under Regulation 70, and hereafter the stipulation, "To allow the use of the inclosure at all times by the Forest officers for administrative purposes and for pasturing their saddle horses," will be omitted, except when the supervisor believes it necessary for the proper administration of the Forest, in which case the probable amount of use by Forest officers may be given consideration in fixing the fee to be charged.

Separate Reports for Drift Fences—

Under the new plan of organization which will be put into effect on December 1, all reports and recommendations for the construction of drift fences or the improvement of springs will be handled by the Office of Engineering. It is, therefore, requested that in the preparation of annual grazing reports, the supervisors make an entirely separate chapter of this subject so that each portion of the report may be filed in its proper place.

Permits for Trap Corrals—

All permits issued for the construction or maintenance of corrals with trap gates which are to be used in trapping wild cattle or horses should contain the following stipulation:

This corral shall, when in use, be visited every day by permittee, and all stock not owned or controlled by permittee shall be turned out upon the range.

BRANCH OF LANDS.**OFFICE OF LAW.****Civil and Criminal Actions Recommended—**

Coronado National Forest—Philip Contzen, occupancy trespass.

Criminal Action Begun—

Chiricahua National Forest—C. T. McGlone, former Forest Supervisor, bound over to the grand jury on a charge of embezzlement.

Cabinet National Forest—C. R. Weare, W. C. Finnigan, and Z. Caza, special use trespass (saloon). Caza fined \$50; all three men agree to discontinue maintenance of saloon upon the National Forest.

Resolution by International Tax Conference—

A resolution was adopted by the International Tax Conference at Toronto, October 9, 1908, as follows:

Resolved, That it is within the legitimate province of tax laws to encourage the growth of timber, to protect watersheds, and to insure a future timber supply.

And legislation, or constitutional amendment if necessary, is recommended for these purposes.

Waters and Water Courses—

The following section is an amendment to the mimeographed circular of June 12, 1908, sent to Forest officers:

14. In all cases where actual diversion and use of the water can not be immediately made, or made within a reasonable time after the administrative site is withdrawn, the supervisor should, for the purpose of giving notice to the public, comply with the requirements of state laws with reference to the recording of notice of appropriation of water. Reimbursement will be made for the expense of such recording.

Application for Injunction Denied—

A decision was recently made in the United States court for the district of Nevada against the Eureka Live Stock Company, denying its application for an order temporarily restraining the Forest Service from administering the Toiyabe National Forest.

OFFICE OF OCCUPANCY.**Settlement: Reports on Forest Homestead Applications—**

Numerous reports upon Forest Homestead Applications, Form 110, have been received recommending action upon tracts of land the descriptions of which do not agree with the descriptions contained in the applications. This may be due to an error on the part of the examiner, or the inability of the applicant properly to describe the land desired. In cases of this kind it is very important that the report should explain the discrepancy.

Report on Claims—

When a supervisor receives notice from a local land office that commutation proof is to be made on homestead entries, the report to the Forester should contain a statement to that effect, and should show the date on which proof is to be offered, since ordinarily the information is not procurable from the General Land Office until after final papers are issued and are received at that office.

After the reorganization goes into effect the correctness of action on Claims reports will be almost entirely dependent upon the descriptions given by the examining officer. Especial care should therefore be taken to secure a correct description of the tract embraced in each claim. This will avoid any delay which might occur should the claim be incorrectly described and the Land Department be unable to identify it by the description given.

BRANCH OF OPERATION.

OFFICE OF MAINTENANCE.

Canvas Ore Sacks—

A supply of canvas ore sacks has been placed in stock at the Supply Depot at Ogden, for the use of expert miners, and can be procured upon requisition directly to the Depot.

OFFICE OF ENGINEERING.

“OEO” Letters—

The attention of supervisors is called to the fact that replies to “OEO” letters should be sent to Ogden, and not to Washington.

“OE” Circular Letter of October 13—

All supervisors are urged to send in promptly the information requested in “OE” circular letter of October 13, in order that it may be tabulated before the district organization goes into effect.

OFFICE OF ORGANIZATION.

Use of Distinctive Blaze in Trail Work—

From reports of inspectors it is evident that the instructions on page 175 of The Use Book relative to the use of a distinctive blaze in trail work are not being observed. It is important that a uniform method of blazing roads and trails constructed by Forest officers be employed, and all field officers of the Service are directed to observe more closely in the future the instructions referred to.

Accounts for Horseshoeing—

A number of accounts for horseshoeing have been submitted recently by supervisors and other Forest officers who are required to own their own horses. Shoeing is considered as pertaining to horse equipment, and accounts of this nature should never be submitted by Forest officers for their own horses, unless it is shown that the horses were used by the Forest Service for other purposes than the personal use by the owner and without a per diem consideration.

When horses are hired for short periods, it is expected that the owners will pay for keeping them shod, and accounts for shoeing them should not be submitted unless it is shown that they were hired with the understanding that the Forest Service would pay for the work, or that an emergency occurred which rendered the shoeing necessary and that the owner would not stand the expense.

SERVICE ORDERS.

SERVICE ORDER 23.

SEPTEMBER 3, 1908.

Relinquishment of Claims.

In receiving relinquishments Forest officers should carefully avoid making a peremptory demand or using any words which could be construed as a threat of proceedings in the courts. The administration of the laws affecting the relinquishment of lands in National Forests remains with the Department of the Interior (Use Book, p. 218). The Forest officer is only a medium of transmittal.

If it is deemed advisable to suggest a relinquishment of a claim believed by the officer to be invalid, it should, if practicable, be done by a letter mailed or handed to the claimant in substantially the following form:

— National Forest.
—, 190 .

Mr. —————
—————

DEAR SIR:

I have made a careful examination of the following land —— embraced within your —— claim, and have thoroughly investigated the facts and circumstances upon which your claim appears to be based. The results of my examination and investigation are embodied in a report prepared for submission to the Forester which will, I believe, lead to a hearing before the Land Office to determine the validity or invalidity of your claim.

If you believe that your claim is for any reason invalid and desire to save yourself and the Government the trouble and expense of such a hearing, I shall be glad to receive from you a voluntary relinquishment (duplicate blank forms inclosed), and to forward the same for filing, to the Register and Receiver of the United States Land Office at ——. If it is received on or before —— a copy will be sent to the Forester together with my report and a hearing will be unnecessary.

If the suggestion is made orally it should be to the same effect in substance.

A copy of the relinquishment should be forwarded to the Forester for his files with notation of the date of transmittal of the original to the local Land Office.

OVERTON W. PRICE,
Associate Forester.

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Issued November 30, 1908.

United States Department of Agriculture,
FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR DECEMBER, 1908.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating Bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Principal Examiner.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

D. D. BRONSON, }
R. E. BENEDICT, } General Inspectors.

E. M. GRIFFITH, Special Inspector, for Indian Reservations in Wisconsin, Madison, Wis.

EUGENE S. BRUCE, Expert Lumberman.

Compilation of data for National Conservation Commission—W. T. COX and R. S. KELLOGG, Assistant Foresters.

BRANCH OF OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.

CHAS. S. CHAPMAN, Assistant Forester.

H. B. CRAMER, Fiscal Agent.

GEORGE G. ANDERSON, Assistant in Office Methods.

OFFICE OF OCCUPANCY.

M. J. McVEAN, Chief.

OFFICE OF ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

OFFICE OF GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.

Drafting, C. A. KOLB.

Alienation, J. B. SATTERLEE.

Photography, A. G. VARELA.

OFFICE OF MAINTENANCE.

R. K. HELPHENSTINE, Jr., Chief.

PROPERTY AUDIT.

J. G. FALCK.

BRANCH OF SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

OFFICE OF FEDERAL COOPERATION.

A. B. PATTERSON, Chief.

PROJECTS.

Wisconsin—

Timber work on the Menominee Indian Reservation—**E. A. BRANIFF**, Neopit, Wis.; assistants, **J. A. HOWARTH**, **W. E. LA FOUNTAIN**, and **W. S. UHLER**.

Supervision of logging on Indian reservations in northern Wisconsin and Michigan—**J. R. FARR**, Phillips, Wis.

Timber work on the Bad River Indian Reservation—**MARK BURNS**, Ashland, Wis.

OFFICE OF STATE AND PRIVATE COOPERATION.

J. G. PETERS, Acting Chief.

PROJECTS.

Alabama—

Preliminary examination of forest conditions, in cooperation with the State Commission of Forestry—**J. H. FOSTER**, Montgomery.

Kansas—

Preparation of report on study of catalpa plantations—**A. E. OMAN**, Washington, D. C.

Kentucky—

Preparation of report on forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—**J. S. HOLMES**, **E. D. CLARK**, **R. C. HALL**, **W. B. WILLEY**, and **G. T. BACKUS**, all at Washington, D. C.

Michigan—

Preliminary examination of forest conditions, in cooperation with the State Forestry Commission—**WESLEY BRADFIELD** and **A. A. WYNNE**, both at Grand Rapids.

Montana—

Preparation of report on forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD, W. B. PIPER, J. ST. J. BENEDICT, and L. S. MURPHY, all at Washington, D. C.

General studies—

Seed testing and seed storage—W. H. VON BAYER and N. H. GRUBB, Washington, D. C.

OFFICE OF SILVICS.

RAPHAEL ZON, Chief (in the Field).
S. T. DANA, Acting Chief.

PROJECTS.**Central States—**

Study of the ashes—W. T. STONE, Frankfort, Ind.

Middle West—

Study of windbreaks and their influences—C. G. BATES, Washington, D. C.

Southern States—

Study of bald cypress—F. T. MCLEAN, Jeanerette, La.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

BRANCH OF GRAZING.

A. F. POTTER, Assistant Forester, in Charge.
L. F. KNEIPP, Assistant Forester (in the Field).
WILL C. BARNES, Acting as Assistant Chief.

PROJECTS.

Cooperative studies; private and State lands—W. C. CLOS, Washington, D. C.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Expert, both at Washington, D. C.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Washington, D. C.; IVAR TIDESTROM, Scientific Assistant, Washington, D. C.

BRANCH OF PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.
R. S. KELLOGG, Assistant Forester.

OFFICE OF WOOD UTILIZATION.

McGARVEY CLINE, Chief.
H. S. BETTS, Assistant Chief.

PROJECTS.**Turpentining Studies—**

Chipping experiments—P. D. EDMUNDS, Green Cove Springs, Fla.

Statistics on production—J. O. LA FONTAINE, Washington, D. C.

Effects of different methods of turpentining—A. L. BROWER, Washington, D. C.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, both at Washington, D. C.

Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.**PROJECTS.**

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, 88 Broad street, Boston, Mass.

Experiments with various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of wood preservatives and of chemical problems in wood utilization—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

Wood Uses, ROLF THELEN, Acting.**PROJECTS.****Connecticut—**

Effect of drying on strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Indiana—

Tests of structural timbers, including several hickories, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, 776 Federal Building, Chicago, Ill.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, Washington, D. C.

OFFICE OF WOOD PRESERVATION.**W. F. SHERFESEE, Chief.****PROJECTS.**

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

Cooperation, JOHN M. NELSON, Jr.**Alabama—**

Construction and experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

Indiana—

Supervising the preparation of designs for a treating plant, in cooperation with the Indianapolis, Columbus, and Southern Traction Company—E. W. PETERS, Washington, D. C.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—Prof. C. A. SCOTT, Ames.

Louisiana—

Experimental operation of a plant for the treatment of telephone poles, in co-operation with the North Louisiana Telephone Company—HARRY M. MASON, Jr., Winnfield.

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Minnesota—

Preservative treatment of fence posts and other farm timbers, in cooperation with the University of Minnesota—C. P. WILLIS, St. Anthony Park, St. Paul.

Pennsylvania—

Experimental operation of a commercial open-tank wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant, detailed by the company, L. W. CONRAD, Pottsville, Pa.

Experimental operation of a commercial open-tank wood-preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—C. P. WINSLOW, Hotel Terminal, Wilkes-Barre, Pa.

Research, HOWARD F. WEISS.

PROJECTS.**General Studies—**

Special investigations and studies of problems in wood preservation—WALTER F. STUTZ, Washington, D. C.

Supervision of the construction of an experimental laboratory—HOWARD F. WEISS, Washington, D. C.

OFFICE OF PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Education, DON CARLOS ELLIS, Acting.

Distribution, WILLIS G. BROWN.

PUBLICATIONS IN NOVEMBER.

Manual of Procedure for the Forest Service in Washington and in District Offices.
Wholesale Lumber Prices.

- Silvical Leaflet 18. Redwood.
- Silvical Leaflet 19. Bigtree.
- Silvical Leaflet 21. Jeffrey Pine.
- Silvical Leaflet 23. Bristle-cone pine.
- Silvical Leaflet 28. Black Spruce.
- Silvical Leaflet 29. Blue Spruce.
- Silvical Leaflet 30. California Swamp Pine.
- Silvical Leaflet 31. Black Hemlock.
- Silvical Leaflet 32. Tamarack.
- Silvical Leaflet 33. Digger Pine.
- Silvical Leaflet 34. Coulter Pine.
- Silvical Leaflet 35. Alpine Larch.
- Silvical Leaflet 36. Knobcone Pine.
- Silvical Leaflet 37. White-bark Pine.
- Silvical Leaflet 38. Paper Birch.
- Silvical Leaflet 39. Monterey Pine.
- Silvical Leaflet 40. Swamp Cottonwood.
- Silvical Leaflet 41. Chestnut Oak.
- Silvical Leaflet 42. Sugar Maple.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northern Wyoming, and northwestern South Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, J. P. MARTIN.

Occupancy, P. D. KELLETER.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, E. C. CLIFFORD.

Silvics, E. I. TERRY.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

W. R. WHEATON, Chief.

F. I. ROCKWELL, Assistant Chief.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.

Clearwater—F. A. FENN, Forest Supervisor, Kooskia.

Coeur d'Alene—W. G. WEIGLE, Forest Supervisor, Wallace; RUTLEDGE PARKER, Forest Assistant.

Kaniksu—See Washington.

Nezperce—GEO. V. RING, Acting Forest Supervisor, Grangeville.

Pend Oreille—J. E. BARTON, Acting Forest Supervisor, Sandpoint.

MONTANA.

Absaroka—V. GIFFORD LANTRY, Acting Forest Supervisor, Livingston.

Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge.

Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor.

Bitterroot—W. W. WHITE, Forest Supervisor, Missoula.

Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell; C. N. WHITNEY, Forest Assistant.

Cabinet—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls.

Custer—GLEN A. SMITH, Acting Forest Supervisor, Ashland.

Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; P. S. LOVEJOY, Deputy Forest Supervisor.

Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell.

Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman.

Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena.

Jefferson—HERBERT GRAFF, Acting Forest Supervisor, Great Falls.

Kootenai—C. E. SCHOONOVER, Acting Forest Supervisor, Libby.

Lewis and Clark—W. H. DAUGS, Acting Forest Supervisor, Chouteau.

Lolo—ELERS KOCH, Forest Supervisor, Missoula.

Madison—CLIFTON W. HUDSON, Acting Forest Supervisor, Sheridan.

Missoula—D. G. KINNEY, Forest Supervisor, Missoula; HERBERT GRAFF, Forest Assistant.

Sioux—See South Dakota.

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—J. B. SEELY, Forest Supervisor, Newport; W. N. MILLER, Forest Assistant.

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; WM. C. LATANE, Forest Assistant.

Shoshone—H. W. THURSTON, Forest Supervisor, Cody.

DISTRICT 2.

Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, western Kansas, and southeastern Utah.

Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.

P. G. REDINGTON, Assistant District Forester.

G. S. ARNOLD, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.

C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, R. E. MESNARD.

Occupancy, FRED LEES.

Accounts, E. A. MELZAR, District Fiscal Agent.

Maintenance, J. W. DILLY.

SILVICULTURE.

A. K. CHITTENDEN, Chief.

S. L. MOORE, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, L. C. MILLER.

Silvics, C. G. BATES.

GRAZING.

J. W. NELSON, Chief.**E. N. KAVANAGH,** Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.**G. R. OGIER,** Assistant Chief.

NATIONAL FORESTS.

COLORADO.

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor.**Battlement**—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor.**Cochetopa**—EUGENE WILLIAMS, Forest Supervisor, Saguache.**Gunnison**—WM. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor.**Hayden**—See Wyoming.**Holy Cross**—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.**La Salle**—See Utah.**Las Animas**—C. A. WHITNEY, Acting Forest Supervisor, La Veta.**Leadville**—A. L. STROUP, Forest Supervisor, Leadville; J. F. BRUINS, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.**Medicine Bow**—C. M. GRANGER, Acting Forest Supervisor, Fort Collins.**Montezuma**—RESS PHILLIPS, Acting Forest Supervisor, Mancos.**Pike**—C. W. FITZGERALD, Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument.**Rio Grande**—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant.**Routt**—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs.**San Isabel**—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe.**San Juan**—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.**Uncompahgre**—HENRY L. SPENCER, Acting Forest Supervisor, Delta; J. H. RAMSKILL, Forest Assistant.**White River**—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant.

KANSAS.

Kansas—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant.

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

SOUTH DAKOTA.

Black Hills—E. M. HAMILTON, Forest Supervisor, Deadwood; A. L. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Saratoga; R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.**Hayden**—JAMES BLACKHALL, Acting Forest Supervisor, Encampment.**Sundance**—G. C. SMITH, Acting Forest Supervisor, Sundance.

DISTRICT 3.

Arizona, Arkansas, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

• **A. C. RINGLAND**, District Forester.**E. H. CLAPP**, Assistant District Forester.**H. B. JAMISON**, District Law Officer.

OPERATION.

A. C. WAHA, Chief.
R. G. WILSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, E. H. JONES.
Occupancy, H. H. HARRIS.
Accounts, J. J. DUFFY, District Fiscal Agent.
Maintenance, W. B. BUNTON.

SILVICULTURE.

T. S. WOOLSEY, Jr., Chief.
A. B. RECKNAGEL, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, A. S. PECK.
Silvics, G. A. PEARSON.

GRAZING.

J. K. CAMPBELL, Chief.
JOHN KERR, Assistant Chief.

PRODUCTS.

O. T. SWAN, Chief.

NATIONAL FORESTS.

ARIZONA.

Apache—JOHN D. GUTHRIE, Acting Forest Supervisor, Springerville.
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant.
Coconino—F. C. W. POOLER, Forest Supervisor, Flagstaff; W. H. KOBBÉ and W. M. DRAKE, Forest Assistants.
Coronado—ROBERT J. SELKIRK, Forest Supervisor, Benson.
Crook—T. T. SWIFT, Forest Supervisor, Safford.
Garces—W. H. B. KENT, Forest Supervisor, Nogales.
Prescott—C. H. HINDERER, Forest Supervisor, Prescott.
Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake.
Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor.

ARKANSAS.

Arkansas—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant.
Ozark—DAVID E. FITTON, Forest Supervisor, Harrison; W. F. HILL, Deputy Forest Supervisor.

NEW MEXICO.

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant.
Carson—ROSS McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor.
Chiricahua—See Arizona.
Datil—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Forest Assistant.
Gila—DOUGLAS RODMAN, Acting Forest Supervisor, Silver City; FRANK E. ANDREWS, Deputy Forest Supervisor; Fort Bayard Planting Station—H. C. TURNER and A. HEDRICKS, Forest Planting Assistants.
Jemez—ROSS McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; HARRY POOLER, Forest Agent.
Lincoln—J. H. KINNEY, Forest Supervisor, Capitan.

Magdalena—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Forest Assistant.

Manzano—A. D. READ, Forest Supervisor, Albuquerque.

Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache.

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.

E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, A. T. MITCHELSON.

Occupancy, TIMOTHY C. HOYT.

Accounts, Q. R. CRAFT, District Fiscal Agent.

Maintenance, R. E. CONNOR.

SILVICULTURE.

L. L. WHITE, Chief.

O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. M. FETHEROLF.

Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.

A. C. McCAIN, Assistant Chief.

PRODUCTS.

A. L. BROWER, Chief.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

NATIONAL FORESTS.

ARIZONA.

Dixie—See Utah.

Kaibab—See Utah.

IDAHO.

- Boise**—E. GRANDJEAN, Forest Supervisor, Boise; O. M. BUTLER, Deputy Forest Supervisor; WALTER A. HOPSON, Forest Assistant.
Cache—See Utah.
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls.
Challis—DAVID LAING, Acting Forest Supervisor, Challis.
Idaho—HENRY A. BERGH, Acting Forest Supervisor, Meadows.
Lemhi—JOHN W. HAYS, Jr., Acting Forest Supervisor, Mackay.
Minidoka—WM. MCCOY, Forest Supervisor, Oakley.
Payette—GUY B. MAINS, Forest Supervisor, Emmett.
Pocatello—CLINTON G. SMITH, Acting Forest Supervisor, Pocatello; Pocatello Planting Station—P. T. WRENSTED, Forest Ranger.
Salmon—GEORGE G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor.
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor.
Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor.
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

- Humboldt**—C. SYDNEY TREMEWAN, Forest Supervisor, Elko.
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas.
Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin.

UTAH.

- Ashley**—W. M. ANDERSON, Acting Forest Supervisor, Vernal.
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant; C. A. LEWIS, Forest Assistant.
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George.
Fillmore—WM. HURST, Forest Supervisor, Beaver.
Fishlake—N. E. SNELL, Forest Supervisor, Salina.
La Salle—JOHN RUS, Acting Forest Supervisor, Moab.
Manti—A. W. JENSEN, Forest Supervisor, Ephraim.
Minidoka—See Idaho.
Nebo—DAN S. PACK, Forest Supervisor, Payson.
Pocatello—See Idaho.
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante.
Sevier—O. C. SNOW, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor.
Uinta—W. T. PARK, Forest Supervisor, Provo; D. S. MARSHALL, Deputy Forest Supervisor; R. V. R. REYNOLDS, Forest Assistant.
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City. Wasatch Planting Station—N. J. FETHEROLF and F. L. RICKY, Forest Planting Assistants, Silver Lake.

WYOMING.

- Ashley**—See Utah.
Bonneville—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant.
Caribou—See Idaho.
Targhee—See Idaho.
Teton—R. E. MILLER, Forest Supervisor, Jackson.
Wyoming—JOHN RAPHAEL, Acting Forest Supervisor, Afton.

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester,
COERT DUBOIS, Assistant District Forester.

E. A. LANE, District Law Officer.

OPERATION.

R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
 Engineering, F. C. WALES.
 Occupancy, BLAKE FRANKLIN.
 Accounts, J. S. SWAN, District Fiscal Agent.
 Maintenance, A. L. DAHL.

SILVICULTURE.

G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
 Planting, G. W. PEAVY.
 Silvics, F. R. COOPER.

GRAZING.

JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.

PRODUCTS.

L. E. HUNT, Chief.
C. S. SMITH, Assistant Chief.

NATIONAL FORESTS.

CALIFORNIA.

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles; ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station; SEROPE Y. PARNAY and F. L. RICKY, Forest Planting Assistants, San Bernardino.
California—ERNEST BRITTEN, Forest Supervisor, Willows.
Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor.
Inyo—A. H. HOGUE, Forest Supervisor, Bishop.
Klamath—FRANK HARLEY, Acting Forest Supervisor, Yreka; F. W. HARLEY, Deputy Forest Supervisor; R. G. POND, Forest Assistant.
Lassen—L. A. H. KLING, Acting Forest Supervisor, Red Bluff; J. C. LA PLANT, Deputy Forest Supervisor.
Modoc—C. E. RASHFORD, Acting Forest Supervisor, Alturas.
Mono—See Nevada.
Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas.
Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Supervisor; J. R. HALL, Forest Assistant.
San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo.
Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor.
Sequoia—C. E. SHERMAN, Forest Supervisor, Hot Springs; W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.
Shasta—W. B. RIDER, Forest Supervisor, Sisson; R. F. HAMMETT, Deputy Forest Supervisor.
Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.
Stanislaus—R. W. AYRES, Acting Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant.
Tahoe—R. L. P. BIGELOW, Forest Supervisor, Nevada City; M. B. PRATT, Forest Assistant.
Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.
Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville.
Tahoe—See California.

DISTRICT 6.

Washington, Oregon, a small portion of northern California, and Alaska.

Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.

GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.

C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, W. E. HERRING.

Occupancy, W. F. STALEY.

Accounts, A. H. COUSINS, District Fiscal Agent.

Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.

C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. F. KUMMEL.

Silvics, T. T. MUNGER.

GRAZING.

HOWARD K. O'BRIEN, Chief.

T. P. MCKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.

H. B. OAKLEAF, Assistant Chief.

NATIONAL FORESTS.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant.

Columbia—H. O. STABLER, Forest Supervisor, Portland; ARTHUR R. WILCOX, Forest Assistant.

Crater—M. L. ERICKSON, Forest Supervisor, Medford; H. D. FOSTER, Forest Assistant.

Deschutes—A. S. IRELAND, Forest Supervisor, Prineville.

Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor.

- Malheur**—CY. J. BINGHAM, Acting Forest Supervisor, John Day.
Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor.
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; H. HALFUEL, Forest Assistant.
Siuslaw—A. E. COHOON, Forest Supervisor, Eugene.
Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner.
Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor.
Wallowa—HARVEY W. HARRIS, Acting Forest Supervisor, Wallowa.
Wenaha—See Washington.
Whitman—HENRY IRELAND, Forest Supervisor, Sumpter.

WASHINGTON.

- Chelan**—GEORGE W. MILHAM, Forest Supervisor, Chelan.
Columbia—See Oregon.
Colville—W. W. CRYDER, Forest Supervisor, Republic.
Olympic—FRED HANSON, Forest Supervisor, Hoodspoint.
Rainier—G. F. ALLEN, Forest Supervisor, Orting; C. H. PARK, Deputy Forest Supervisor; F. B. KELLOGG, Forest Assistant.
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant.
Washington—C. H. PARK, Acting Forest Supervisor, Bellingham.
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla.
Wenatchee—A. H. SYLVESTER, Acting Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.
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SERVICE CHANGES IN NOVEMBER.

APPOINTED.

Products—

- WOOD PRESERVATION: C. T. BARNUM, Engineer; CARLILE P. WINSLOW, Engineer; PERCY R. HICKS, Engineer; EDWARD H. FORD, Engineer; GEORGE R. OGIER, Engineer; E. W. PETERS, Agent; J. A. SILSBEE, Agent.
PUBLICATION: WILLIS G. BROWN, Reader.

RESTORED TO THE ROLLS WITH PAY.

Forester—

- INSPECTION: T. S. WOOLSEY, Jr., Inspector.

FURLoughed.

Lands—

- OCCUPANCY: E. C. HARD, Expert Miner.

RESIGNED.

Products—

- WOOD PRESERVATION: PAUL M. PAINE, Expert.

SEPARATED.

Products—

- WOOD UTILIZATION: JESSE E. BURTZ, Agent; J. P. MOODY, Agent.

Lands—

- OCCUPANCY: S. M. HIGGINS, Forest Expert.

SERVICE NOTES FOR DECEMBER.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

LAW.

Criminal Action Recommended—

Cœur d'Alene National Forest: Culhane and Hanson—saloon trespass.

Criminal Action Begun—

Lewis and Clarke National Forest: Sango Habino bound over to grand jury on a charge of leaving fire to burn unattended near timber and other inflammable material.

Cleveland National Forest: George Burnett and Earl Carmack indicted by grand jury on October 30, 1908, for fire trespass.

Civil Action Recommended—

The Attorney-General has been requested to file a bill to restrain the Chicago, Milwaukee and St. Paul Railway Company from constructing a railroad across the Cœur d'Alene National Forest in Idaho unless the railroad signs stipulations to protect the National Forest. He has also been requested to ask for a judgment of approximately \$43,000 for damages caused by unauthorized construction by the company.

BRANCH OF OPERATION.

Approval of Reports by Supervisors' Clerks—

In a number of cases in the past important reports have reached this office approved by supervisors' clerks as acting supervisors. Since these reports are sometimes used at hearings, it is important that the approving officer should be entirely competent to pass on the correctness of the report. If a clerk in the supervisor's office is, in addition to his special fitness for clerical work, qualified properly to pass on important papers and reports, there is no objection to this; but since the recommendation of the supervisor or acting supervisor is in most cases followed out, great care must be exercised in the field that approval is not given in any case without careful consideration by an officer fully qualified to judge of its merits. The prompt transaction of business is desired, but should a supervisor be away from his office and not be able to bring in a deputy or a ranger to act for him, important papers should be held until his return unless his clerk has sufficient field experience to be fully qualified to approve them.

Rangers' Special Use Reports—

A new form, No. 399, has been prepared for the use of field officers in reporting to supervisors on special-use permits. The Supply Depot at Ogden will furnish a supply of this form to each supervisor. It is suggested that where the abuse of uses such as pastures, drift fences, and dipping vats would result in injury to the National Forests reports on Form 399 be required at least quarterly. Probably on other uses semiannual reports will be sufficient.

Reservoirs and Conduits—

The following letter has been received from the Reclamation Service. Until the supervisors receive the maps mentioned in the letter they should continue to refer each application for a reservoir or conduit permit to the Reclamation engineer under the instructions on page 65 of The Use Book.

DEPARTMENT OF THE INTERIOR,
UNITED STATES RECLAMATION SERVICE,
Washington, D. C., November 18, 1908.

The FORESTER, Forest Service.

SIR: The attention of this office has been called by the supervising engineer in charge of reclamation operations in Washington, Oregon, and upper California to requests by forest supervisors for maps indicating the watersheds in these regions which are not involved in operations contemplated by the Reclamation Service, in order that the work of the Forest Service may be simplified with regard to the issuance of special-use permits.

In this connection I desire to state that although the supervising engineer regards this as a feasible plan and is anxious to comply with such request at the earliest opportunity, it is apprehended that there may be some delay in the preparation of such map.

Under instructions of the Secretary, investigations are being made of available water power with a view to recommending withdrawal of the power sites involved. Until these investigations are completed it will be impracticable to designate any watershed which will be exempt from examination by the Reclamation engineers.

It is therefore requested that the present plan of referring applications for special-use permits to the project engineers may be continued until such time as it may be possible to prepare a map showing more definitely the area to which reclamation operations are confined.

Very respectfully,

MORRIS BIEN, Acting Director.

Settlement: Surveys—

The following corrections should be made on page 21 of Instructions and Decisions Affecting National Forest Lands, Part II: At the end of the sixth line, F. S. M. H.

F. S. M. H.

instead of $\frac{MH}{W}$; in the seventh line, $\frac{H}{1}$ instead of $\frac{MH}{W}$.

Administrative rights of way—

It is very important that all examiners of tracts applied for under the act of June 11, 1906, follow the instruction in the first paragraph on page 53 of The Use Book. In many instances the examiners fail to submit the required recommendations for withdrawals, on Forms 271 and 220, and it is feared that some examiners are failing even to suggest withdrawals for logging roads and other administrative purposes in many cases where they should be made.

The following method of surveying roadways through land applied for under the act of June 11, 1906, is recommended to supervisors:

The initial point should be tied to some established corner in reference to the claim, or a course run and distance chained from some established point of the claim boundary to an established point on the road. In running out the road survey course and distance from one turning point to another should be given, and at each angle turned a durable monument should be placed, marked, and witnessed. A plain R is sufficient. Witnesses should be far enough away from the center line to be outside the roadway. It is not necessary to close in the roadway, placing two monuments at each angle. The single survey line well tied and monumented is all that is necessary. It is important, however, to give in the notes the proposed width each side of this line; and natural features crossed might also be noted. It should be remembered that a monument of durable wood buried flush with the surface will withstand the wear of road traffic indefinitely.

Residence under Forest Homestead Act of June 11, 1906—

The First Assistant Secretary of the Interior, in a letter to the Secretary of Agriculture, dated November 4, 1908, has ruled that, under section 1 of the forest homestead act of June 11, 1906, a person who is permitted to occupy National Forest lands for agricultural purposes by special-use permit, and who afterwards makes entry of the land under the act, is entitled to make final proof when he can show five years' actual residence, even though a portion of the residence was during the time when he was occupying the lands under the special-use permit.

Reports on Claims—

Beginning December 1, supervisors should submit all adverse reports on claims in duplicate. Copies of these reports are forwarded to the General Land Office, and in the absence of a carbon copy the report must be copied in the District Foresters' offices. Compliance with this request will save much work in the District Foresters' offices, with very little additional work on the part of the Forest officers.

Reports on Coal Claims—

Reports on coal claims should contain a statement as to whether the claim was made solely for the benefit of the claimant or claimants, and not directly or indirectly, in whole or in part, in behalf of any other person or persons, company, or corporation. The character of the investigation or inquiry made to determine the point should also appear, whether the result supports the claimant's statement or is contrary to it. Instances have occurred where coal claimants were shown to be mere "dummies" in the employ of coal operators and without substantial interest in the lands claimed. In such cases the claim is invalid.

Filing of Rangers' Property Receipts—

Supervisors will find the following a convenient method of filing rangers' property receipts: Arrange these receipts in numerical order with the last number on top, place them in a loose-leaf notebook, and file the notebook vertically in section 4 of the filing case behind a guide card marked "Rangers' Property Receipts."

Back-Order Notices and Memorandums of Shipment—

It is not required that supervisors retain copies of back-order notices after the supplies have been received. This notice is then merely a record that shipment was delayed, and reference to it is never made. It is also unnecessary to retain Form 945, "Memorandum of Shipment," after the receipt of the supplies.

Acknowledgments of Requisitions—

Postal card acknowledgments of requisitions, Form 642, need not be retained in supervisors' files unless they bear some special notation, but may be destroyed after the property clerk's requisition number has been entered in the upper right-hand corner of the supervisor's copy of the requisition.

BRANCH OF SILVICULTURE.

Deposits with Bid—

Applicants submitting bids in advertised timber sales are required to have on deposit at the time the bid is submitted only a sum equal to the amount specified in the notice of sale. Money deposited to cover advertisement and advance cutting will be credited toward the amount to accompany the bid.

Forester's Free-Use Permits—

In all free-use permits which are approved by the Forester the timber should be scaled and cutting reports submitted as in timber sales. The timber cut under such free-use permits should not be included in the supervisor's annual free-use report, but will be included by the Forester in the monthly reports of timber cut on the Forest. Forester's free-use permits should be closed in the same manner as timber sales.

New Form of Sawmill Permit, Form 400—

A new form of sawmill permit, Form 400, has been prepared and supersedes all the old forms. This form should be used in all sawmill cases, together with the bond, Form 377, when a bond is required. These forms may be obtained on requisition from the Supply Depot, Ogden, Utah.

Refunds—

In final cutting reports recommending closure without refund, where the amount deposited exceeds the value of timber cut, it should be stated definitely why such action is advisable, unless the amount is inconsiderable or the reason is self-evident.

BRANCH OF GRAZING.**Pasture Permits in Exchange for Use of Private Lands—**

Persons desiring to inclose National Forest lands, together with their private lands, for pasture purposes, in lieu of the exclusive use of other lands owned or leased by them and located within the external limits of the National Forest, may be allowed such an exchange for not to exceed 320 acres of National Forest lands, when the exchange will be distinctly advantageous for the Forest Service.

Applications for such an exchange should be handled under the general instructions governing pastures (Regulation 69), each case being considered strictly on its merits, and if the exchange will not be advantageous for the Forest Service, or not advisable for other reasons, it should not be approved.

The exchange will be made by a lease to the Government of the private lands in consideration of the permit from the Government. The lease should be made for one year, with the option to renew. It should also contain a clause that it may end sooner on the revocation of the permit, and the permit should be made subject to revocation at the option of the Forester. Sample copies of leases will be furnished by the District Forester to supervisors, on request.

The lease should be executed fivefold and all copies forwarded to the District Forester for approval. After approval one copy will be returned to the supervisor for his files, together with another copy for transmittal to the permittee. The remaining two copies and the original will be placed on file by the Comptroller of the Treasury, the Office of Accounts, and the District Forester.

Permits issued on the basis of a lease will be prepared in accordance with the general instructions of Regulation 69 governing pasture permits, and should also contain a proper provision guarding against overgrazing of the National Forest land under fence.

Explanation of Amended Instructions under Regulation 55—

The November Field Program contained the following amendment to instructions under Regulation 55:

Grazing permits for the summer season may be extended to cover the entire year, wherever there is winter range available within the National Forest, upon payment of the difference between the summer and year-long rates on stock covered by the original permit, in addition to the winter grazing fee on all animals which have reached the age of 6 months during the summer period.

The intent of the amendment is, that in cases where permits are extended, the difference between the summer-season rate and the year-long rate should be charged upon all of the stock covered by original permit and its increase for which permit is necessary, but in cases where the additional stock is not the actual increase of the stock grazed under permit during the summer season, the regularly established rate for the winter season should be charged for the additional stock and a separate permit issued for it.

Change in Grazing Trespass Instructions—

Hereafter the supervisor will not notify the trespasser of the amount which will be charged for damages on account of injury to the Forest by grazing trespass until after the case has been reviewed by the District Forester.

After the statement of the trespasser has been received by the supervisor, or after the ten days allowed for its presentation have expired, the supervisor will submit the

report and all other papers in the case, together with his recommendation, to the District Forester. Upon receipt of instructions from the District Forester regarding either the amount which will be required in settlement for damages, or other action to be taken in the case, the supervisor will present a proposition of settlement (Form 208) to the trespasser, to be filled in and signed by him and forwarded to the District Forester. A letter of transmittal (Form 861) will also be presented to the trespasser and a duplicate sent to the District Forester. The procedure thereafter will be in accordance with the instructions in The Use Book.

Change in Serial Numbering of Supplemental Permits—

Hereafter approved supplemental applications, subsequent to the issuance of the first permit or extending summer permits to cover the year-long period, will be given the same serial number as the original, with the addition of the letters "a," "b," etc., instead of being given a new serial number. This will obviate the necessity of making a cross reference on the folders, since all the papers referring to each applicant's grazing permits will be filed in the same folder.

Amendment of Crossing Permit Form—

The attention of all Forest officers is called to the fact that Form 874-17, crossing permit, does not contain a provision that the permit is subject to all valid claims and not effective upon any but public land. All officers issuing crossing permits are therefore instructed to amend the terms of each form by inserting the words "public lands in" after the word "across" and preceding the words "—— National Forest," in each permit.

This action is necessary to prevent the charge that such permits authorize the grazing upon or crossing of private lands located along the route described in the permit, and to prevent claims for damages sustained being filed against the officer issuing the permit.

Closure of Special-Use Cases Issued in Connection with Grazing Permits—

In a great many instances supervisors recommend closing special uses for corrals, pastures, etc., without giving specific reasons for doing so. It is important that this information be received before closing the cases in the Forester's files.

Special uses issued to applicants who have grazing permits for only a portion of the year need not be closed if the grazing permits are to be renewed the following year.

Grazing Permits to be Prepared in Triplicate—

In order that their records may be complete, supervisors should prepare grazing permits in triplicate, the original to be forwarded to the permittee, the duplicate to the District Forester, and the third copy to be filed with the other papers in the case.

